UNITED STATES MARINE CORPS CORPS INSTALLATIONS NATIONAL CAPITAL R



MARINE CORPS INSTALLATIONS NATIONAL CAPITAL REGION
MARINE CORPS BASE QUANTICO
3250 CATLIN AVENUE
QUANTICO VIRGINIA 22134 5001

IN REPLY REFER TO: 6280/5
B 046
JUL 2 8 2016

Ms. Susan Mackert Department of Environmental Quality 13901 Crown Ct. Woodbridge, VA 22193

Dear Ms. Mackert:

SUBJECT: VA0002151, VPDES INDUSTRIAL STORMWATER PERMIT RE-

APPLICATION RESPONSE

Marine Corps Base Quantico received the comments regarding our Industrial Stormwater Permit, VA0002151, dated July 13, 2016. The enclosed response addresses all issues noted in the above mentioned correspondence, to include:

- 1. Corrected outfall forms for missing intake and effluent data and TOC results (Forms 2C & 2F)
- 2. Signed Application Form 2F
- 3. Requests to remove outfalls from the permit

If you have any questions please contact Mr. Jonmark Sullivan at (703)_432-0539.

NORTHERN

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JUL 2 8 2016

REGIONAL OFFICE

MOODBRIDGE. VIP

Sincerely,

KIRK NELSON

Assistant Chief of Staff, Installation & Environment

Division

By direction of the Commander

Enclosure: 1. Response to missing information on application

2. Corrected application forms

Outfall 003:

Outfall 003 is located at our Water Treatment Plant and is associated with an emergency overflow pond that normally does not contain enough water (normally 2 inches) nor does it discharge on a regular basis. The pond and associated outfall 003 only discharge when an upset or other emergency with pumps and lifts stations may occur. Obtaining the necessary samples from this pond is very difficult or may result in data that is not an accurate representation of the normal discharge that may be seen, if a discharge were to occur.

Outfall 007:

Form 2F, Section VII. Part A – pH minimum and maximum value - a corrected form is attached

Outfall 009:

- 1. Form 2C, Section V. Part A pH minimum and maximum a corrected form is attached
- 2. Form 2C, Section V. Part B Total Phosphorus and Total Aluminum were marked as present Marine Corps Base Quantico (MCBQ) reviewed our original submission and believe that we marked "absent". However, if the submission was marked "believed present", it was an error and we have submitted new forms for outfall 009 to reflect Total Phosphorus and Total Aluminum as "absent."

Outfall 010:

MCBQ wishes to remove this outfall from our permit. The industrial activity that was associated with this permit is no longer there. The steam lines that were present have been demolished and there is no longer any steam condensate or non-contact cooling water present.

Outfall 014:

MCBQ wished to remove this outfall from our permit. The industrial activity that was associated with this permit is no longer there. The hangar that was used for maintenance has been demolished. The steam condensate is no longer present both because the steam lines are no longer in use and have been demolished.

Outfall 016

- 1. Form 2C, Section V. Part A number of analyses a corrected form is attached
- 2. Form 2C, Section V. Part A pH minimum and maximum a corrected form is attached
- 3. Form 2C, Section V. Part C Long term average concentration for dimethyl phthalate has a "q" as a result This was a typo and the corrected form is attached.
- 4. Form 2F, Section VII. Part A pH minimum and maximum a corrected form is attached.

<u>Outfall 030:</u> MCBQ wished to remove this outfall from our permit. The industrial activity that was associated with this permit is no longer there. The dining facility with refrigerator condensate has been demolished.

Outfall 035: 1. Form 2C, Section V. Part A – number of analyses – a corrected form is attached

2. Form 2C, Section V. Part A – pH minimum and maximum – a corrected form is attached.

<u>Outfall 072:</u> Form 2F, Section VII. Part A – pH minimum and maximum – a corrected form is attached.

Outfall 073: Form 2F, Section VII. Part A – pH minimum and maximum – a corrected form is attached.

<u>Outfall 074:</u> Form 2F, Section VII. Part A – pH minimum and maximum – a corrected form is attached.

<u>Outfall 086:</u> Form 2F, Section VII. Part A – pH minimum and maximum – a corrected form is attached.

<u>Outfall 090:</u> Form 2F, Section VII. Part A – pH minimum and maximum – a corrected form is attached.

<u>Permit Application:</u> Form 2F, Section V. Part A – Signature not provided on non-stormwater discharges – a corrected form is attached.

UNITED STATES MARINE CORPS

MARINE CORPS INSTALLATIONS NATIONAL CAPITAL REGION
MARINE CORPS BASE QUANTICO
3250 CATLIN AVENUE

QUANTICO VIRGINIA 22134



IN REPLY REFER TO: 5090 B046 JUN 2 3 2016

Ms. Susan Mackert Department of Environmental Quality 13901 Crown Ct. Woodbridge, VA 22193

Dear Ms. Mackert:

SUBJECT: INDUSTRIAL STORM WATER PERMIT REAPPLICATION VA0002151

The Quantico Industrial Storm Water Discharge Reapplication Permit package for VPDES permit VA0002151 is enclosed for your review and approval.

Please contact Mr. Jonmark Sullivan at (703) 432-0539 if you have any questions.

Sincerely,

J. D. PROVENZANO III

Deputy AC/S

Installation & Environment Division

By direction of the Commander

Enclosures: 1. VA0002151 reapplication package



VPDES DISCHARGE PERMIT APPLICATION FOR PROCESS WASTEWATER AND STORMWATER ASSOCIATED WITH INDUSTRIAL ACTIVITY

Marine Corps Base Quantico Quantico, Virginia



MCB QUANTICO VPDES PERMIT APPLICATION VPDES PERMIT NO. VA0002151

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Form 1, General Information Application

Attachment Section X Existing Environmental Permits

Attachment Section XI Outfall Location Maps

Form 2C, Application for Discharge of Industrial Wastewater

Attachment Table 2C.I-A

Attachment Form 2C.II-A Water Balance and Line Diagrams

Attachment Table 2C.II-B Attachment Table 2C.II-C

Attachment Form 2C.VII Biological Toxicity Testing Data

Form 2F, Application for Discharge of Stormwater Associated with Industrial Activity

Attachment Table 2F.I

Attachment Form 2F.III Drainage Maps

Attachment Table 2F.IV-A

Attachment Form 2F.IV.B Pollutant Sources

Attachment Form 2F.IV-C Narrative of Pollutant Sources

Attachment Form 2F.V-B Testing for Non-Stormwater Discharges

Attachment Form 2F.VIII Biological Toxicity Testing Data

		O		
Form	Approved.	OMR No	. 2040-0086.	

FORM	0 = 54				PROTECT IFORMA	ON AGENCY	I. EPA I.D. NUMBER				
1	\$EPA				Permits Prog		VA0002151			T/A C	
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I. EPA I.D.	NUMBER						designated space. Review the information carefully; if any of it is incorrect, cross through it and enter the correct data in the appropriate fill-in area below. Also, if any of the preprinted data				
III. FACILITY	/ NAME	PLEASE	PLA	CE LA	BEL IN THI	SPACE	is absent (the area to the left of the label space lists the information that should appear), please provide it in the proper fill-in area(s) below. If the label is complete and coπect, you				
V. FACILITY MAILING ADDRESS must be completed regardless). Co has been provided. Refer to the in							and VI mplete struction	<i>(except</i> all item: ns for d	VI-B which s if no label etailed item		
VI. FACILITY LOCATION descriptions and for the legal authorization data is collected.									is unde	r which this	
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submit this form	m and the supple o" to each questio	mental form listed in the pare	nthesi f these	s follo: e form:	wing the qual s. You may faced terms	estion. Mark "X" in the box in answer "no" if your activity is e	he EPA. If you answer "yes" to a the third column if the suppleme excluded from permit requirement	ntal for	m is a	ttached. If n C of the	
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A. Is this facilit results in a c	y a publicly own discharge to wate	ned treatment works which ers of the U.S.? (FORM 2A)		×		include a concentrated	(either existing or proposed) animal feeding operation or tion facility which results in a		×		
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	wastes? (FORM:			X		municipal effluent bel	ow the lowermost stratum quarter mile of the well bore,		X		
G. Do you or w	ill you inject at this	s facility any produced water	28	29	30	-	at this facility fluids for special	31	32	33	
or other flu connection v inject fluids	uids which are livith conventional of used for enhance	brought to the surface in oil or natural gas production, ad recovery of oil or natural ge of liquid hydrocarbons?		×		processes such as mining	of sulfur by the Frasch process, als, in situ combustion of fossil		X		
· · · · · ·	/ a proposed stat	ionary source which is one	34	35	36	L le this facility a propose	of stationary source which is	37	38	39	
of the 28 ind	ustrial categories	listed in the instructions and tons per year of any air		×		NOT one of the 28 ind	ed stationary source which is ustrial categories listed in the ill potentially emit 250 tons per		\times		
	ulated under the (I in an attainment	Clean Air Act and may affect	40	41	42	year of any air pollutant re	egulated under the Clean Air Act cated in an attainment area?	43	44	45	
0. 20,000,000	m an attanment					(FORM 5)	cated in an attainment area?		,		
III. NAME OF											
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IV. FACILITY	CONTACT					· · · · · · · · · · · · · · · · · · ·		69			
		A. NAME & TITLE (last,			T T T		B. PHONE (area code & no.)				
2 Jonmar	k Sulliva	n Water Program	n Ma	inag	er 	45 4	703 432-0539 ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '	55			
V.FACILTY MA	ILING ADDRESS				_						
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c Quanti	co	B. CITY OR TOWN			TTT		D. ZIP CODE				
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		B. COUNTY	NAM			45					
Prince W	illiam-St			I			70				
c Quantio		C. CITY OR TOWN					E. ZIP CODE F. COUNTY CO	ODE (i	f know	2)	
6 24411010	- <i>-</i>					VA 22					

CONTINUED FROM THE FRONT				
VII. SIC CODES (4-digit, in order of priority)	· · · · · · · · · · · · · · · · · · ·		0.00010	
A. FIRST	<u> </u>	(specify)	B. SECOND	
7 9711 NATIONAL SECURITY MARINE CORPS	7	(specify)		
15 16 - 19	15 16 -	19	D COURTH	
C. THIRD	<u> </u>	(specify)	D. FOURTH	
7	7	(openy)		
15 16 - 18	15 16 -	19		
VIII. OPERATOR INFORMATION	AME			D to the manualistant in Itana
	T T T T T T		1111	B.Is the name listed in Item VIII-A also the owner?
8 UNITED STATES MARINE CORPS				☑ YES ☐ NO
15 16	·			55 66
C. STATUS OF OPERATOR (Enter the appropried	ite letter into the answer bo	x: if "Other," specify.)		D. PHONE (area code & no.)
F = FEDERAL M = PUBLIC (other than federal or std	(specify)		<u> -</u>	4
S = STATE	nte) F 1		<u> </u>	703 432-0539
P = PRIVATE	58		15	5 6 - 18 19 - 21 22 - 26
E. STREET OR P.O. BOX				
3049 Bordelon Street				
26		55		
F. CITY OR TOWN		G. STATE H. Z	IP CODE IX. IN	DIAN LAND
C I I I I I I I I I I I I I I I I I I I				facility located on Indian lands?
B QUANTICO		VA 221	34 □ YE	S ☑ NO
15 16	***************************************	40 41 42 47	- 51	
X. EXISTING ENVIRONMENTAL PERMITS			,	
A. NPDES (Discharges to Surface Water)	D. PSD (Air Emissions fro	m Proposed Sources)		
		1 1 1 1 1 1 1		
3 N 3 F				
15 16 17 18 30 15 16 1	7 18	<u>3</u>		
B. UIC (Underground Injection of Fluids)		E. OTHER (sp.	17.7	
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C. RCRA (Hazardous Wastes)	•	E. OTHER (spe		
CTICT		1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(specify)	
9 R 9				
15 18 17 18 30 15 16 1	7 18	3	<u> </u>	
XI. MAP				
Attach to this application a topographic map of the area extending	o at least one mile beyo	and property boundaries. T	he map must sho	ow the outline of the facility, the
location of each of its existing and proposed intake and discharge sti injects fluids underground. Include all springs, rivers, and other surface	uctures, each of its haza	irdous waste treatment, sto	rage, or disposal	facilities, and each well where it
	water podies in the maj	datea. See instructions for	precise requireme	mes.
XII. NATURE OF BUSINESS (provide a brief description)				
To develop and provide training to major eleme	nts of the U.S.	Marine Corps offic	cers and sen	ior enlisted
personnel. To provide helicopter support for doctrine, tactics and techniques for weapons a	the U.S. Governm	ent Executive Bran	nch. To dev	elop equipment
operations. To maintain and operate facilities	nd weapons systems and provide ad	ms to be used by . ministrative/logic	stical suppo	es in amphibious
installation.	o and provide de		Jerear Bappe	TO TOT CHE
, and the second				
VIII. CERTIFICATION (con instructions)				
XIII. CERTIFICATION (see instructions)		<u> </u>		
I certify under penalty of law that I have personally examined and arr	familiar with the informa	ition submitted in this appli	cation and all atta	chments and that, based on my
inquiry of those persons immediately responsible for obtaining the int am aware that there are significant penalties for submitting false inform	ormation contained in the	e application, I believe that	the information is	true, accurate, and complete. I
		noming of time and imprisonm	en.	
A. NAME & OFFICIAL TITLE (type or print) J. D. Provenzano III	SIGNATURE)		C. DATE SIGNED
· ·				
Deputy, AC/S Installation & Env Div				23 Jun 2016
COMMENTS FOR OFFICIAL LIGHT CALLY				טידיי דאר (בוען
COMMENTS FOR OFFICIAL USE ONLY				
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<u> </u>				

MCB Quantico VPDES Permit Renewal Form 1, Section X – Existing Environmental Permits

A. NPDES (Discharges to Surface Water)

VA 0028371 Camp Upshur Sewage Treatment Plant VA 0028363 Mainside Sewage Treatment Plant

VAR 10 General Construction Permits for Stormwater VAR 040069 Municipal Separate Storm Sewer System

B. UIC (Underground Injection of Fluids)

None

C. RCRA (Hazardous Wastes)

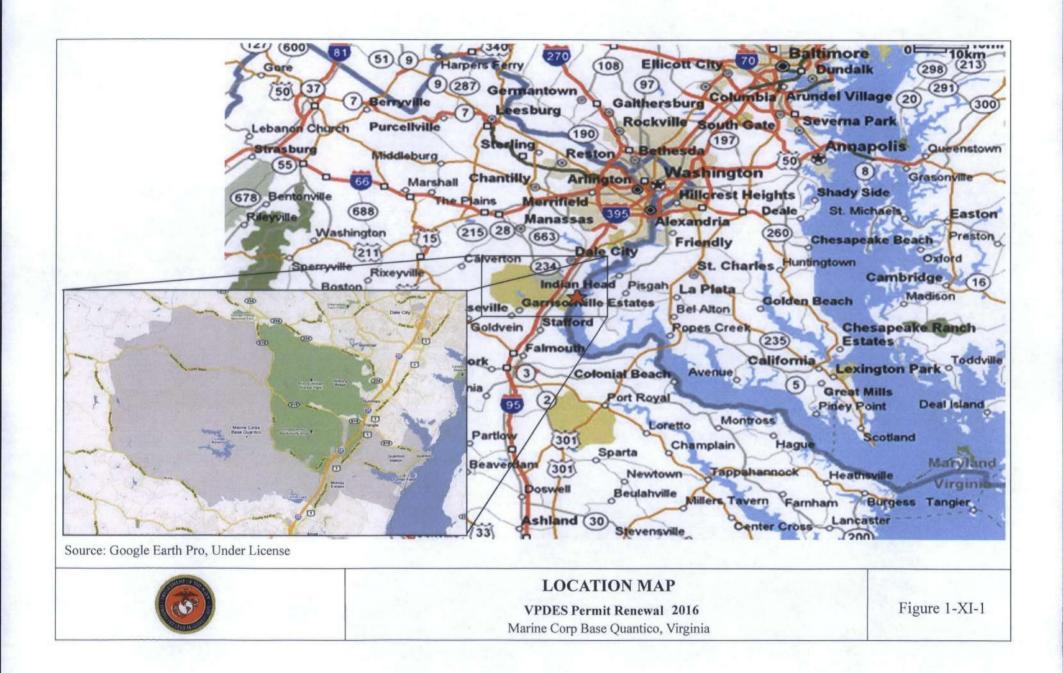
VA1170024722 Hazardous Waste Landfill Post Closure Permit

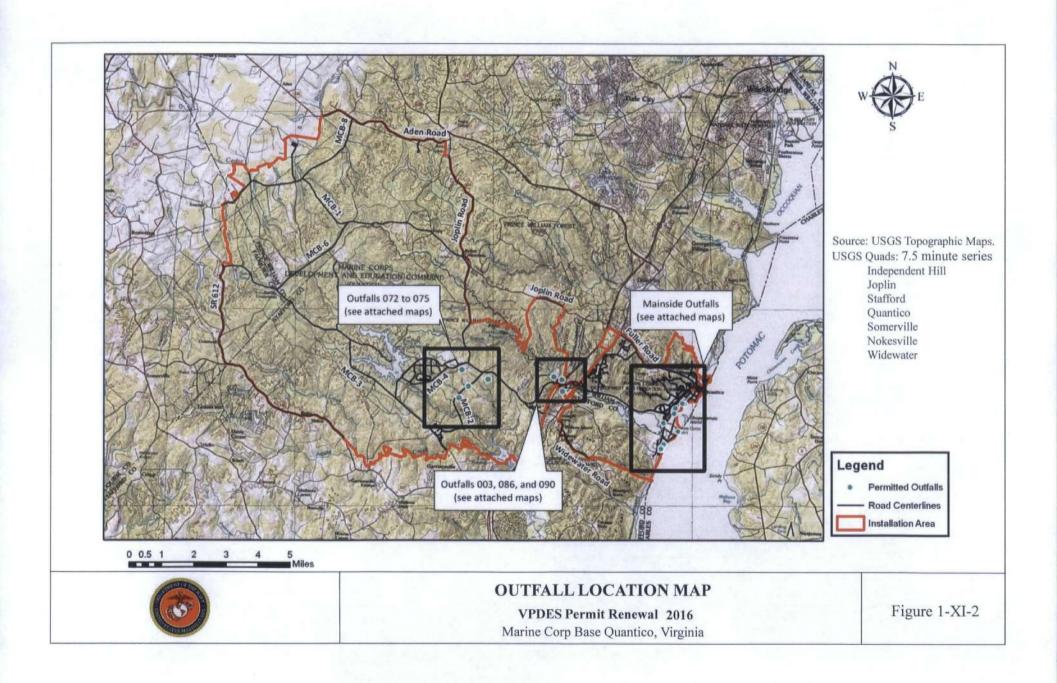
D. Air (Air Emissions from Proposed Sources)

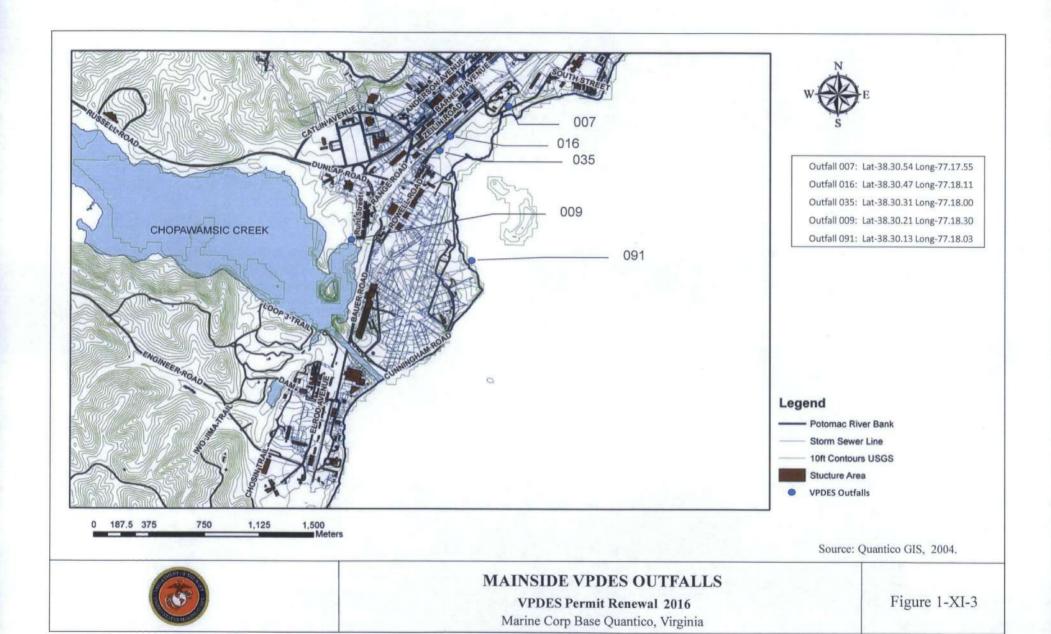
70267 CHP 70267 CDC

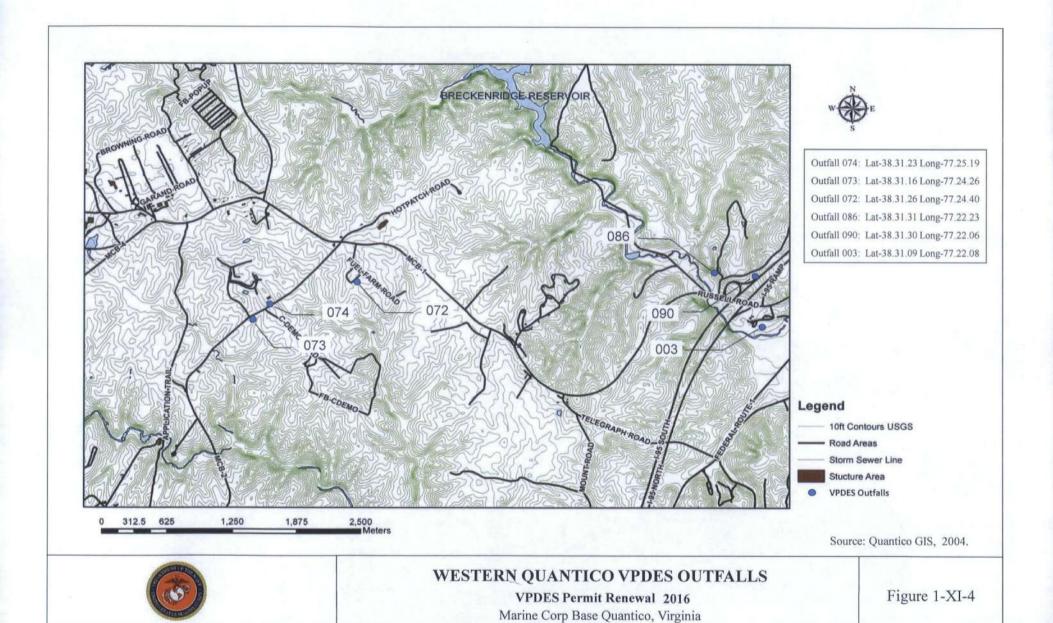
E. Other (Specify)

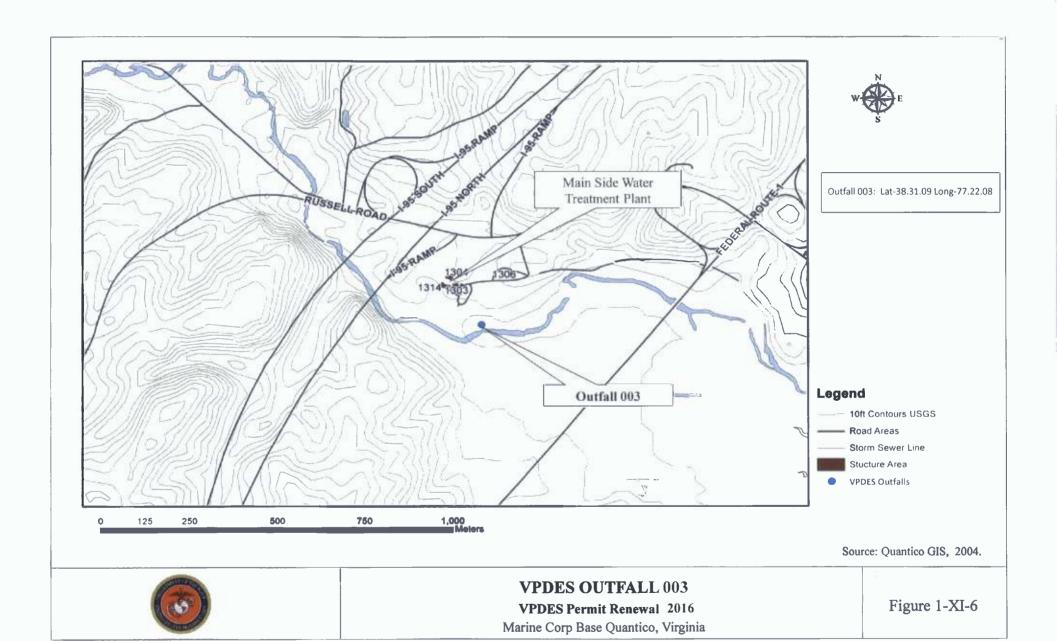
6153675	Waterworks Operation Permit – Mainside
VA 411	Solid Waste Management Permit
STFRD-002	Stafford County, Virginia, Significant Industrial User Permit
	(Categorical)
VA6153063	Camp Upshur Water System
VA6153060	Camp Barrett Water System

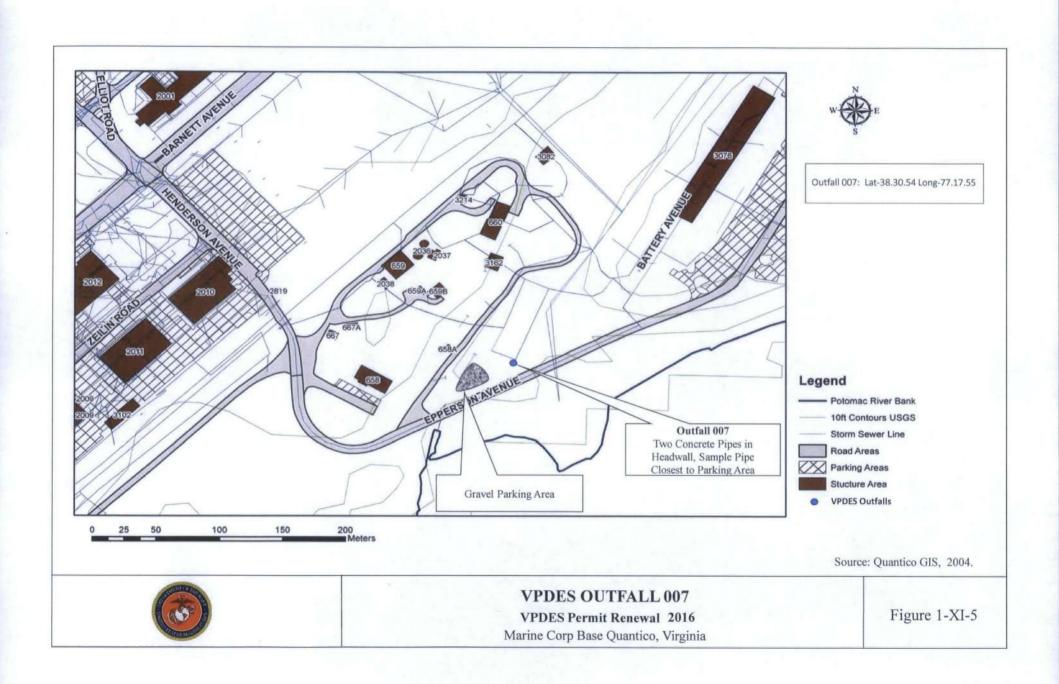


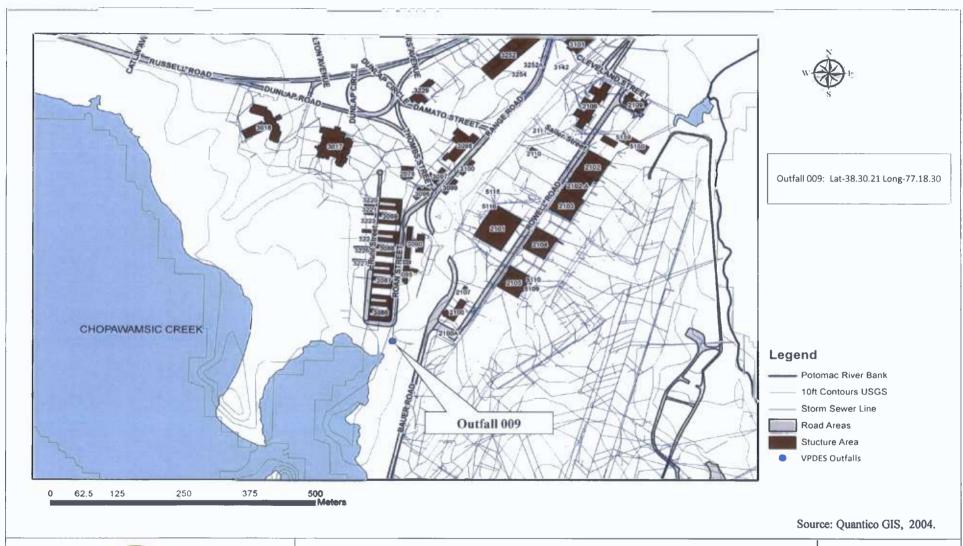








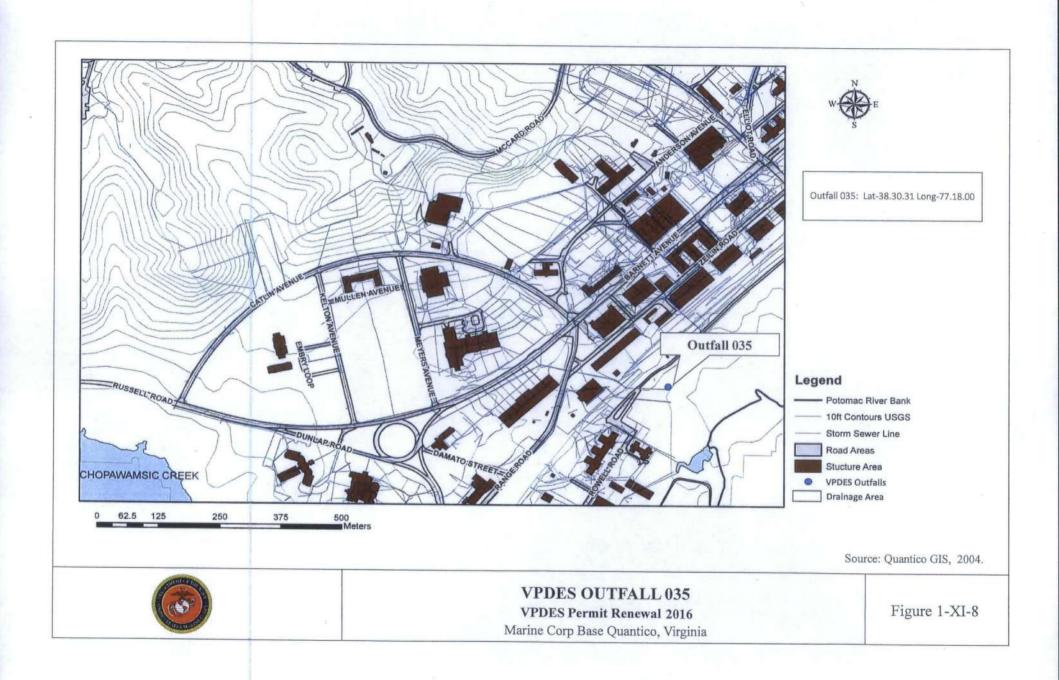






VPDES OUTFALL 009

VPDES Permit Renewal 2016 Marine Corp Base Quantico, Virginia Figure 1-XI-7



EPA I.D. NUMBER (copy from Item 1 of Form 1)

VA0002151

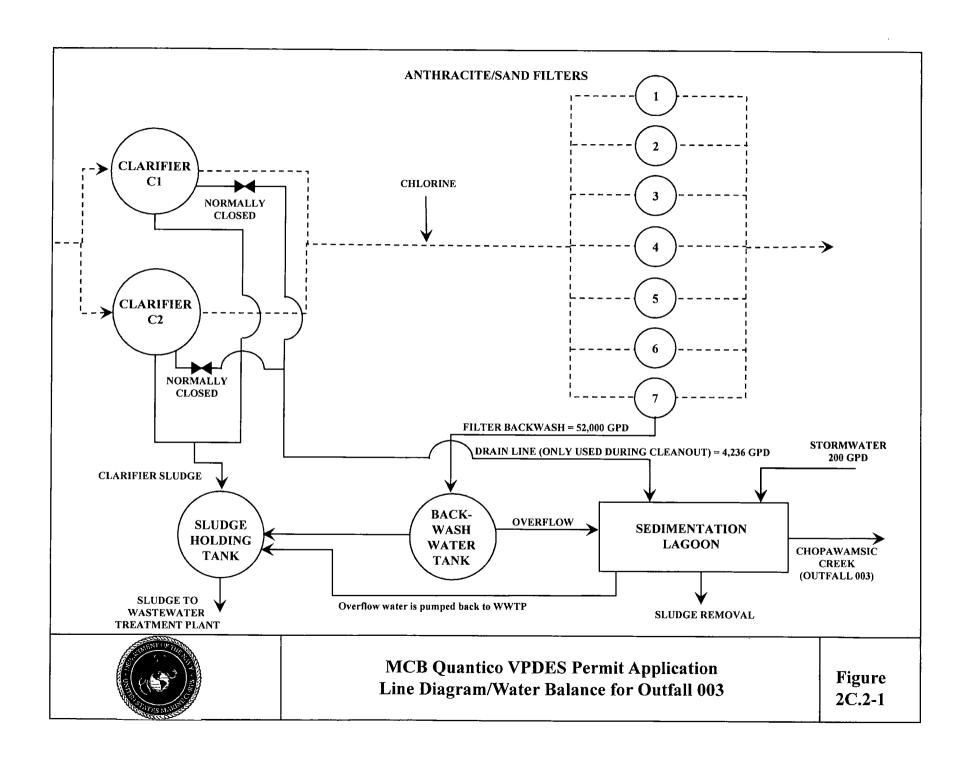
Form Approved. OMB No. 2040-0086. Approval expires 3-31-98.

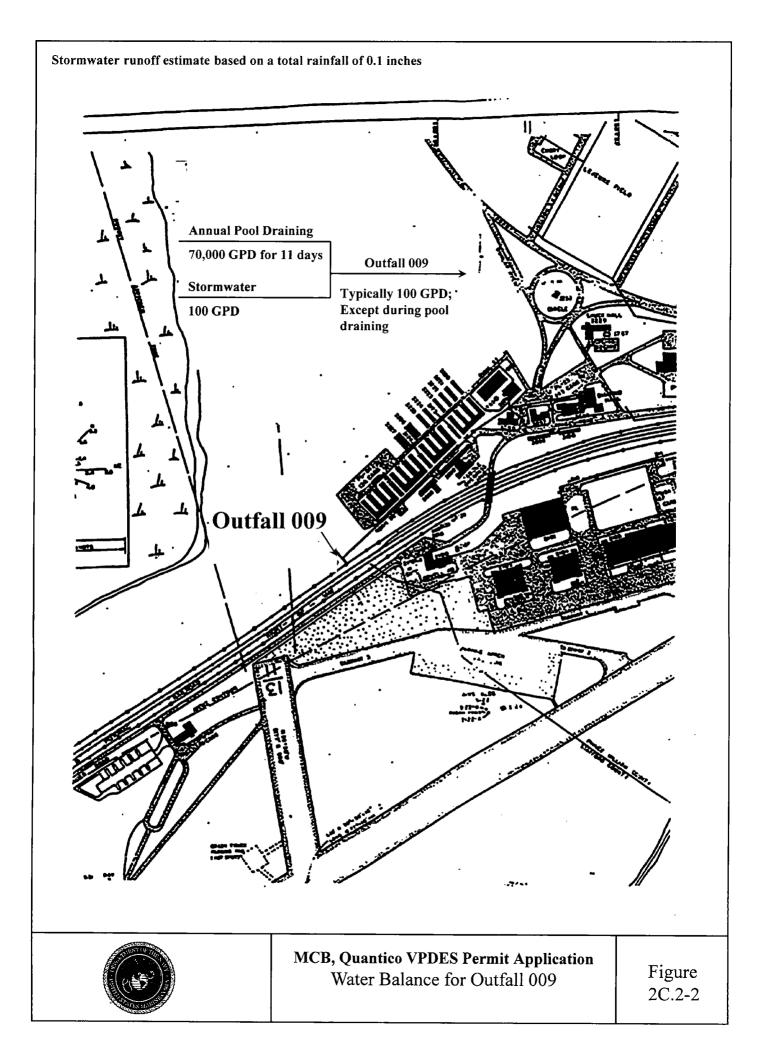
Please print or type in the unshaded areas only.

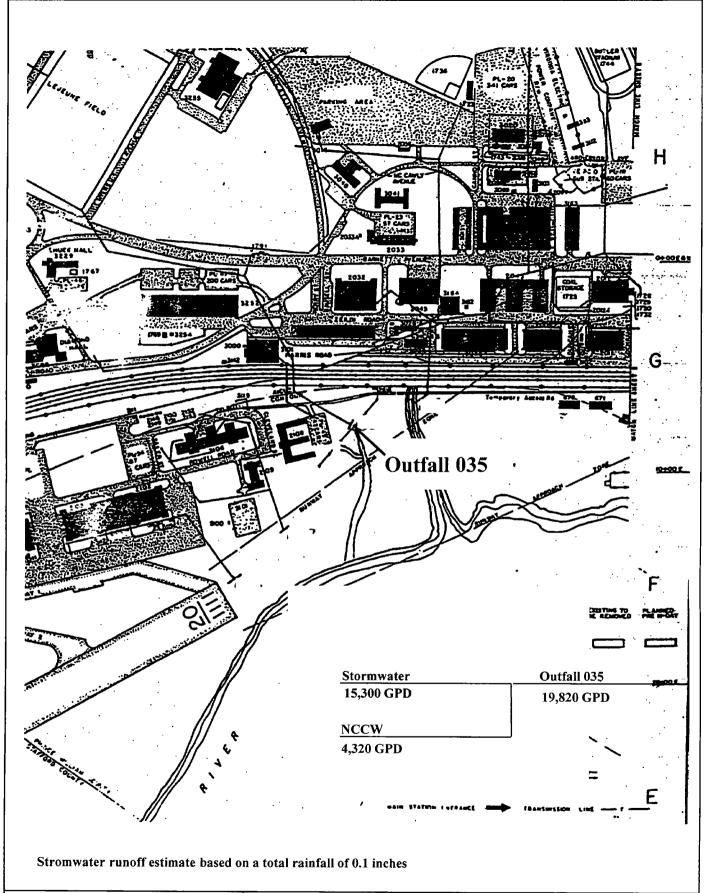
2C SEPA

U.S. ENVIRONMENTAL PROTECTION AGENCY APPLICATION FOR PERMIT TO DISCHARGE WASTEWATER EXISTING MANUFACTURING, COMMERCIAL, MINING AND SILVICULTURE OPERATIONS Consolidated Permits Program

	LL LOCATION									
			longitude of its	location to	the nearest 1	5 seconds ar	nd the name o	of the receiving water.		
	LL NUMBER		B. LATITUDE		(C. LONGITUE	DE			
<u> </u>	(list)	1. DEG.	2. MIN.	3. SEC.	1. DEG.	2. MIN.	3. SEC.	D. RECEIVING WATE	K (name)	
								Please see Table 2C.I-A	, followi	ng this
						<u> </u>		page.		
			ION, AND TRE							
labele treatm	d to correspon ent units, and	d to the mon outfalls. If a	e detailed desc	criptions in It	tem B. Consti	ruct a water b	alance on the	operations contributing wastewater to the eleline drawing by showing average flows be wities), provide a pictorial description of the	tween intakes	operations.
B. For ea and st necess	orm water rui	ovide a descr noff; (2) The	ription of: (1) A average flow	II operation contributed	s contributing by each op	wastewater eration; and	to the effluen (3) The treat	nt, including process wastewater, sanitary tement received by the wastewater. Contin	vastewater, co ue on addition	poling water, nal sheets if
	sary.	2 OPER	RATION(S) CO	NTRIBLITIN	G EL OW		Τ	3, TREATMENT		
1. OUT- FALL		2. Of EIV			AVERAGE F	:I O\W		3, IREATIVIENT	Th LIST CO	DES FROM
NO. (list)	a.	OPERATION	1 (list)		(include uni			a. DESCRIPTION		E 2C-1
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	THIS PAGE.	TABLE 2C.II	-B, FOLLOWING	·						
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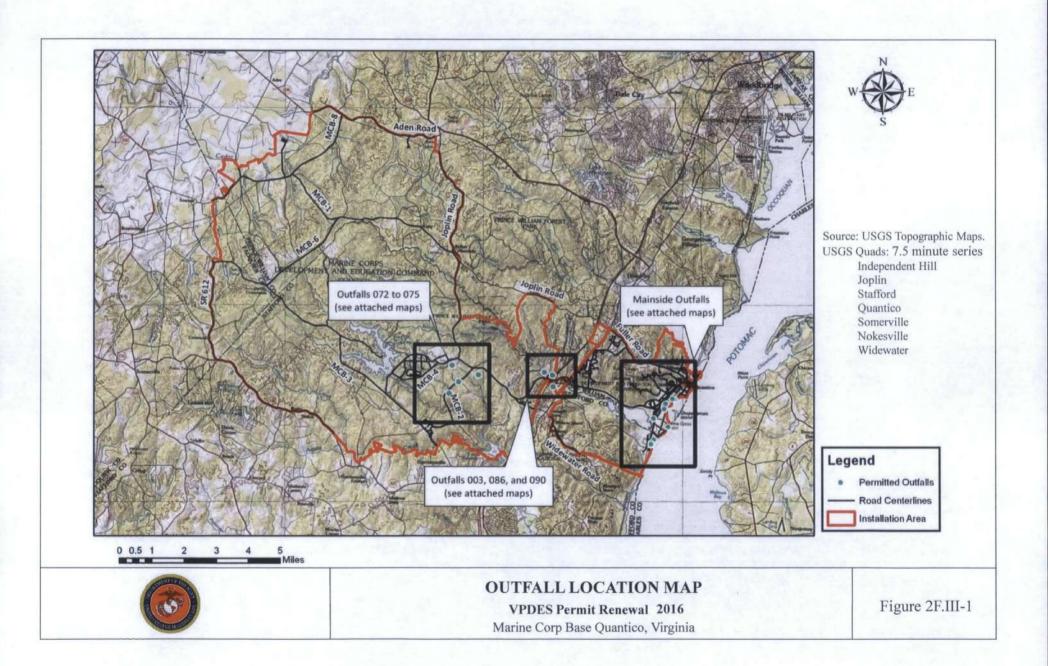


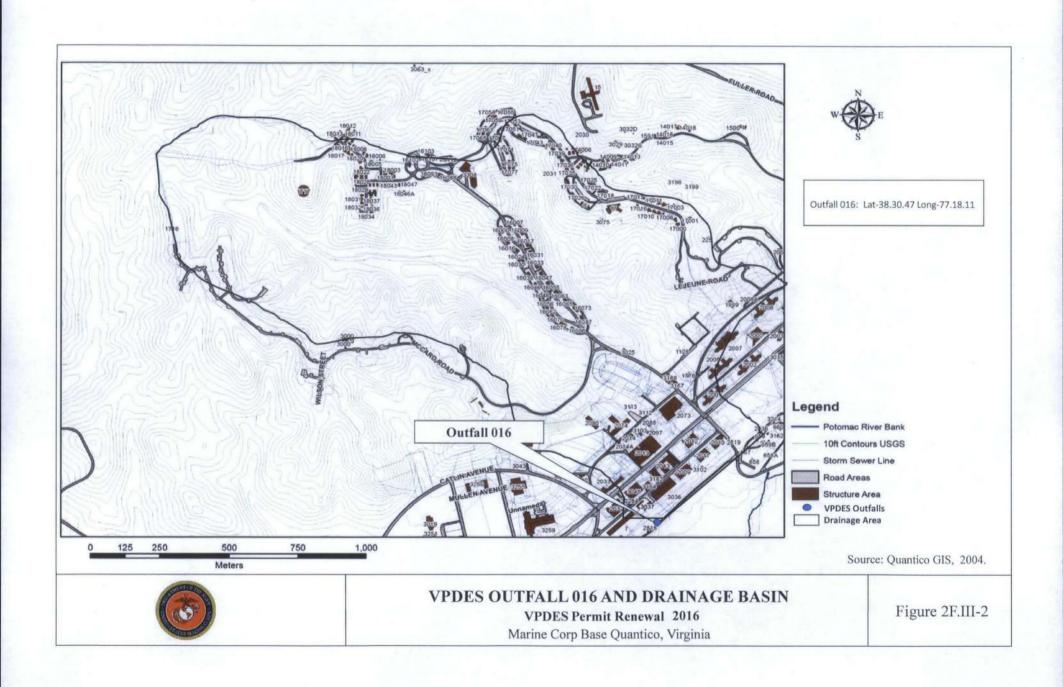
MCB, Quantico VPDES Permit Application
Water Balance for Outfall 035

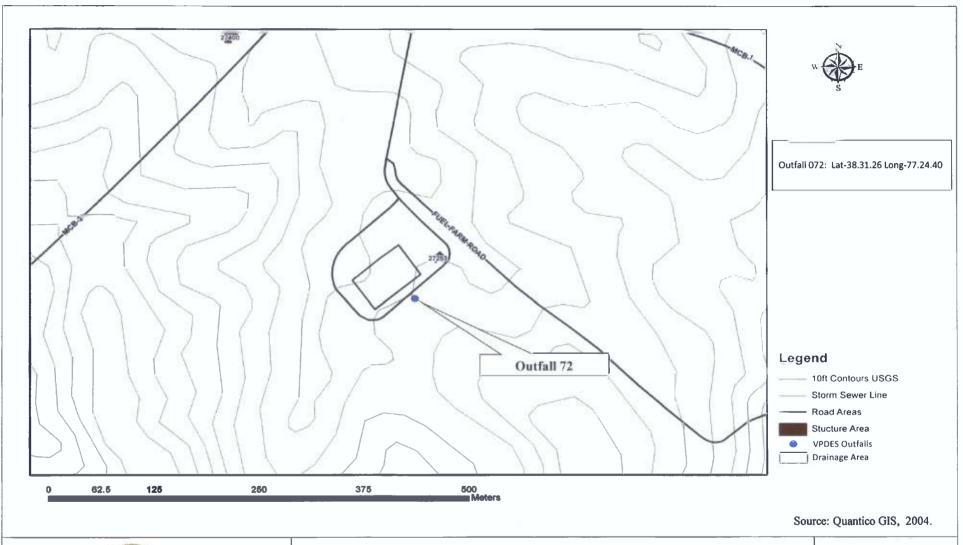
Figure 2C.2-8

Table 2C.I-A MCB Quantico VPDES Permit Renewal VPDES Permit No. VA0002151

A. Outfall	- 4	B. Latitude	9	C. Longitude				
Number (List)	1. Deg.	2. Min	3. Sec.	1. Deg.	2. Min.	3. Sec.	D. Receiving Water (Name)	
003	38	31	09	77	22	08	Chopawamsic Creek	
009	38	30	21	77	18	30	Unnamed tributary to Chopawamsic Creek	
010	38	30	54	77	17	46	Unnamed tributary to Potomac River	
014	38	30	36	77	18	11	Unnamed tributary to Potomac River	
016	38	30	47	77	18	11	Unnamed tributary to Potomac River	
035	38	30	31	77	18	00	Unnamed tributary to Potomac River	







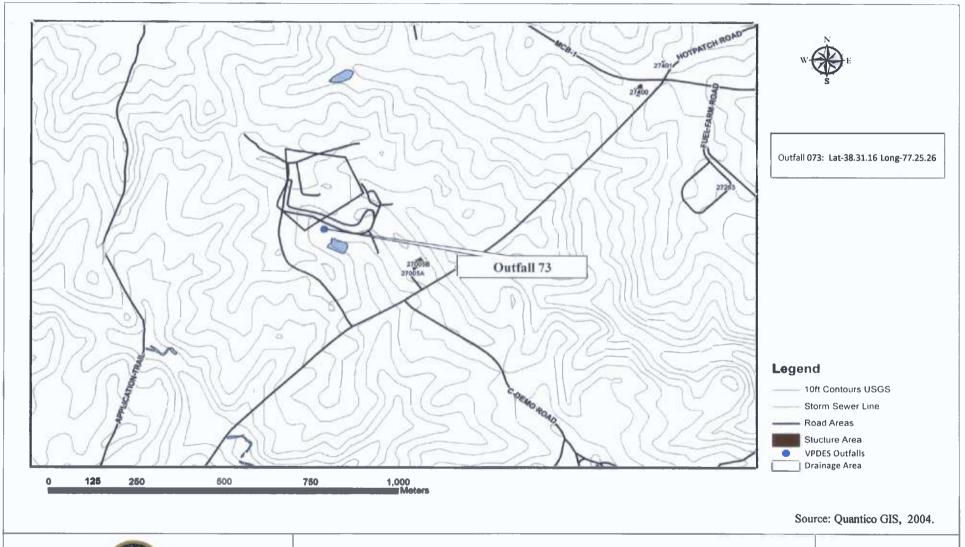


VPDES OUTFALL 072 AND DRAINAGE BASIN

VPDES Permit Renewal 2016

Marine Corp Base Quantico, Virginia

Figure 2F.III-3

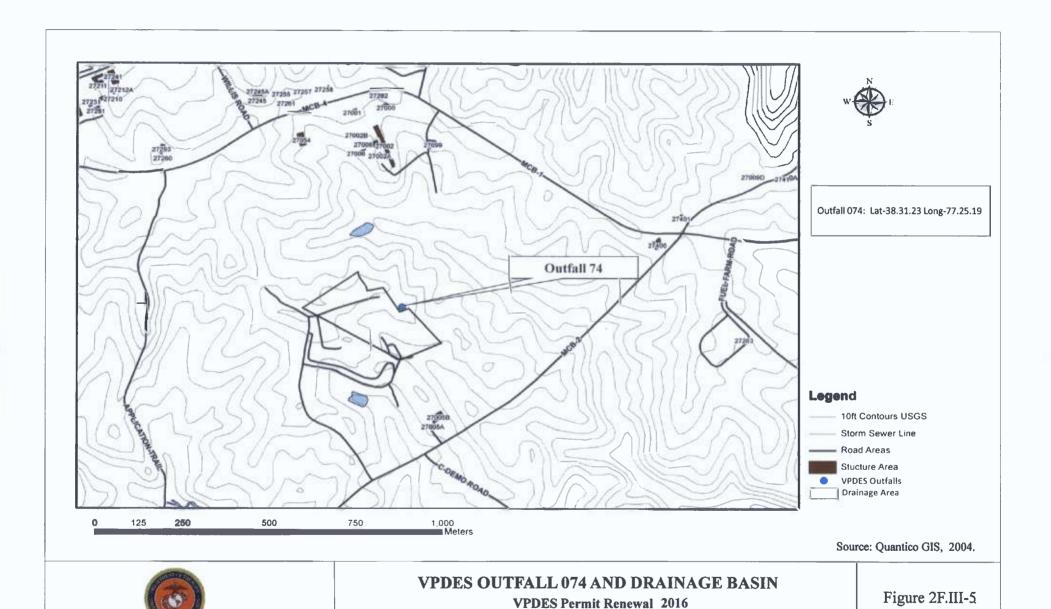




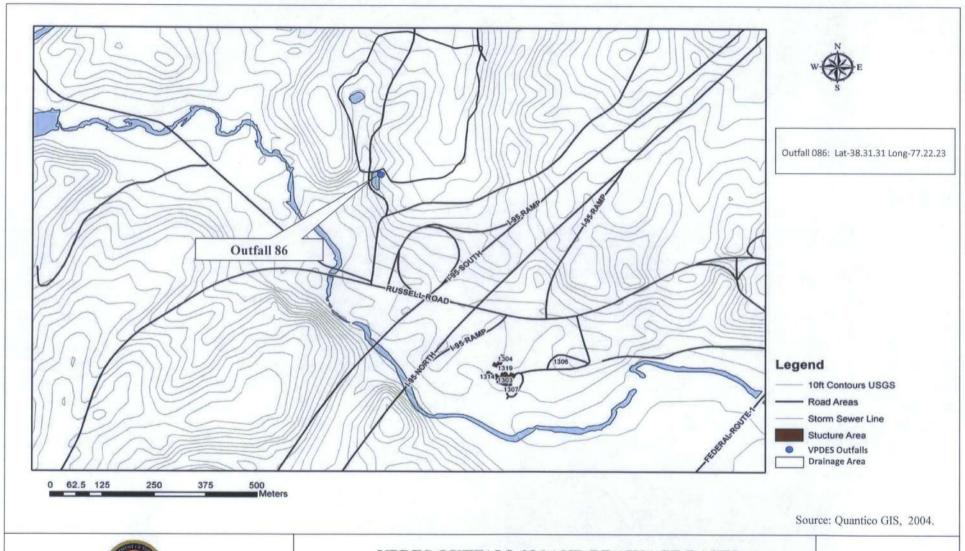
VPDES OUTFALL 073 AND DRAINAGE BASIN VPDES Permit Renewal 2016

Marine Corp Base Quantico, Virginia

Figure 2F.III-4



Marine Corp Base Quantico, Virginia



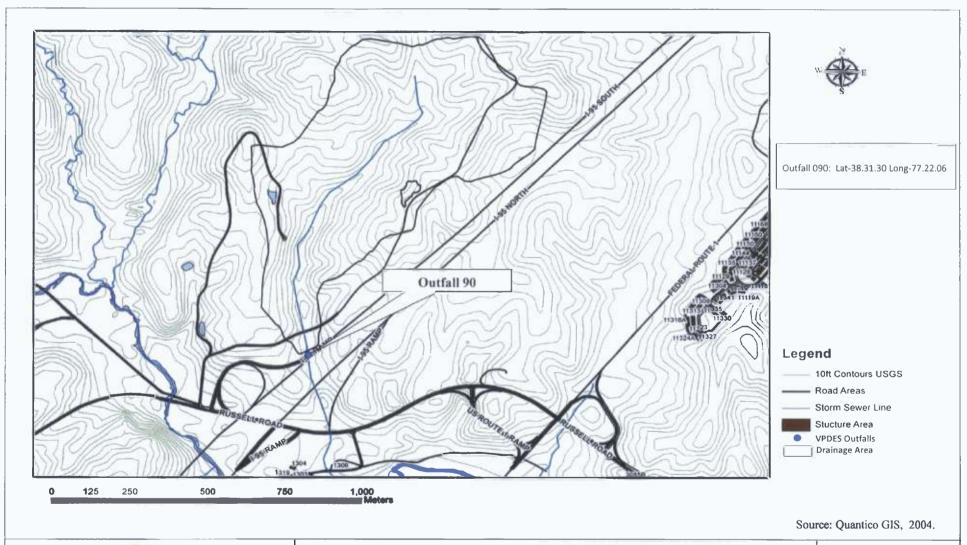


VPDES OUTFALL 086 AND DRAINAGE BASIN

VPDES Permit Renewal 2016

Marine Corp Base Quantico, Virginia

Figure 2F.III-6



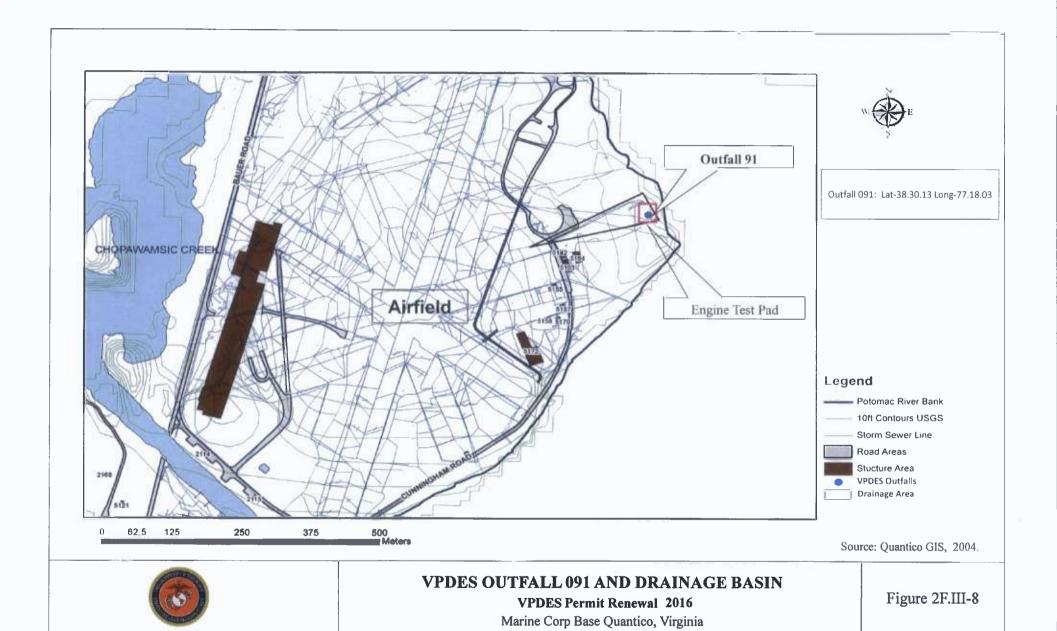


VPDES OUTFALL 090 AND DRAINAGE BASIN

VPDES Permit Renewal 2016

Marine Corp Base Quantico, Virginia

Figure 2F.III-7



	Itfall nonviria an actimate of the area (incl.		as (including nauga as	age and building roofs) drained to the outfall, and a	in estimate of the total surface an
A. For each or drained by		ide units) of impenous surfac	es (including paved an	eas and building roofs) drained to the outfall, and a	in estimate or the total surface an
Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)	Outfall Number	Area of Impervious Surface (provide units)	Total Area Drained (provide units)
			PLEASE		
			SEE TABLE		
		U 104 G	2C.II-C		
			ON THE		
to storm w	rater, method of treatment, storage.	or disposal; past and pre	esent materials man	rears have been treated, stored or disposed lagement practices employed to minimize cu luency in which pesticides, herbicides, soil of	contact by these materials w
description	n of the treatment the storm water re	eceives, including the sch	uctural and nonstru nedule and type of r	ctural control measures to reduce pollutant naintenance for control and treatment meas	s in storm water runoff; and sures and the ultimate dispos
	id or fluid wastes other than by disch	arge.			
Outfall Number			Freatment		List Codes from Table 2F-1
A. I certify u	nwater Discharges	covered by this applicati	ion have been teste	d or evaluated for the presence of nonstorn	nwater discharges, and that
A. I certify u nonstorm	nder penalty of law hat the outfall(s) water discharged from these outfall(side) and Title (type or print)	covered by this application are identified in either a	ion have been teste an accompanying Fo	d or evaluated for the presence of nonstorn rm 2C or From 2E application for the outfall.	Date Signed
A. I certify u nonstorm	nder penalty of law hat the outfall(s) water discharged from these outfall(s	i) are identified in either a	ion have been teste in accompanying Fo	rm 2C or From 2E application for the outfall.	
A. I certify u nonstorm ame and Offi KRA AC/S	nder penalty of law hat the outfall(s) water discharged from these outfall(s) cial Title (type or print) A NELSON ASTALLATION F ENVIRONMENT description of the method used, the	a) are identified in either a	in accompanying Fo	rm 2C or From 2E application for the outfall.	Date Signed 7 Z8 Z016
A. I certify u nonstorm ame and Offi KRA AC/S	nder penalty of law hat the outfall(s) water discharged from these outfall(s cial Title (type or print) A NELSON LASTALATION F ENVIRONMENT	a) are identified in either a	in accompanying Fo	rm 2C or From 2E application for the outfall.	Date Signed 7 Z8 Z016
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A. I certify unonstorm ame and Offi Kirch Ac/s B. Provide a	nder penalty of law hat the outfall(s) water discharged from these outfall(s) cial Title (type or print) A NELSON INSTALLATION F ENVIRONMENT description of the method used, the See attached ant Leaks or Spills	date of any testing, and to	the onsite drainage p	orm 2C or From 2E application for the outfall. Doints that were directly observed during a term of the control	Date Signed 7 Z8 Zollo
A. I certify unonstorm ame and Offi Kirch Ac/s B. Provide a	description of the method used, the See attached ant Leaks or Spills ting information regarding the history water discharged from these outfall(s) support of the method used, the	date of any testing, and to	the onsite drainage p	orm 2C or From 2E application for the outfall. Doints that were directly observed during a term of the control	Date Signed 7 Z8 Zollo
A. I certify unonstorm ame and Offi Kirch Ac/s B. Provide a	description of the method used, the See attached ant Leaks or Spills ting information regarding the history water discharged from these outfall(s) support of the method used, the	date of any testing, and to	the onsite drainage p	orm 2C or From 2E application for the outfall. Doints that were directly observed during a term of the control	Date Signed 7 Z8 Zollo
A. I certify unonstorm ame and Offi Kirch Ac/s B. Provide a	description of the method used, the See attached ant Leaks or Spills ting information regarding the history water discharged from these outfall(s) support of the method used, the	date of any testing, and to	the onsite drainage p	orm 2C or From 2E application for the outfall. Doints that were directly observed during a term of the control	Date Signed 7 Z8 Zollo
A. I certify unonstorm ame and Offi Kirch Ac/s B. Provide a	description of the method used, the See attached ant Leaks or Spills ting information regarding the history water discharged from these outfall(s) support of the method used, the	date of any testing, and to	the onsite drainage p	orm 2C or From 2E application for the outfall. Doints that were directly observed during a term of the control	Date Signed 7 Z8 Zollo
A. I certify unonstorm Ime and Offi Kirch Ac/s B. Provide a Significa Provide exist	description of the method used, the See attached ant Leaks or Spills ting information regarding the history water discharged from these outfall(s) support of the method used, the	date of any testing, and to	the onsite drainage p	orm 2C or From 2E application for the outfall. Doints that were directly observed during a term of the control	Date Signed 7 Z8 Zollo
A. I certify unonstorm ame and Offi KiRI Ac/s B. Provide a Significa Provide exist	description of the method used, the See attached ant Leaks or Spills ting information regarding the history water discharged from these outfall(s) support of the method used, the	date of any testing, and to	the onsite drainage p	orm 2C or From 2E application for the outfall. Doints that were directly observed during a term of the control	Date Signed 7 Z8 Zollo

Table 2F-IV.A
MCB Quantico VPDES Permit Renewal
VPDES Permit No. VA0002151

Outfall No.	Area of Impervious Surface (Acres)	Total Area Drained (Acres)
007	0.2	0.24
010	70.5	220
014	24.5	27.5
016	132	440
072	0.5	2.5
073	0	16.5
074	0	16.5
086	0	40
090	0	80
091	0.27	0.27

Note: Outfalls No. 010, 014 and 030 have been deleted from the permit due to removal of industrial activities.

Attachment 2F.IV.B - Pollutant Sources

Form 2F, Item IV Narrative Description of Pollutant Sources

B. Provide a narrative description of significant materials that are currently or in the past three years have been treated, stored, or disposed...

Outfall 007 – Mainside Sewage Treatment Plant (STP)

Industrial storm water pollutant source activities performed in this area include indoor storage as well as loading and unloading of Hazardous Materials. Storages of water treatment chemicals (Sodium Hydroxide, Alum, Polymer, Soda Ash), greases, fuels (including diesel fuels), and oils are contained within buildings. Most of the storages are above ground storage tanks that are confined in concrete berms and/or dikes. Diesel fuels storage tanks have double walls construction and are self-confined. Drainage from the south end of the facility in the vicinity of the STP Admin Building is conveyed directly to this outfall.

Outfall 010 - Mainside Drainage - North

Possible spot application of pesticides and herbicides in this area. No treatment, storage or disposal of significant materials.

Outfall 014 - HMX-1 Hangar and Maintenance

Residual POL from the aircraft wash rack (Discharges during washing operations are routed to the sanitary sewer).

Outfall 016 - Mainside Drainage - South

Motor pool parking area (via oil/water separator). Fuel oil storage tanks inside secondary containment (via oil/water separator).

Outfall 072 - Fuel Farm

Various POL products, including diesel fuel and aviation fuel, are stored in aboveground storage tanks. All tanks are inside secondary containment areas, and the secondary containment areas drain through an oil/water separator.

Outfall 721 – Fuel Farm

Hydrostatic tank pressure test site.

Outfall 073 - Landfill Pond

Closed landfill.

Outfall 074 - Landfill Marsh

Closed landfill.

Outfall 086 - Landfill Creek

Closed landfill.

Outfall 090 - Landfill Creek

Closed landfill.

Outfall 091 - Engine Test Pad

Various POL products, including diesel fuel and aviation fuel, are stored in aboveground storage tanks. All tanks are inside secondary containment areas.

Attachment 2F.IV.C – Pollutant Sources Form 2F, Item IV Narrative Description of Pollutant Sources

Outfall Number	Control Measures and Treatment	Codes (see 2F-1)
	Hazardous material storages are contained within building or using conex containers and flammable lockers. Diesel fuel above ground storage	
	tanks were built using double walls and are self-confined. All other	
007	above ground storage tanks are confined in concrete berms and/or dikes.	
010	None.	
014	A catch basin at the wash rack has outlets to the storm sewer and sanitary Sewer. The valve to the storm sewer is closed during all washing operations.	
016	One oil/water separator treats stormwater discharges from the motor pool, and a second treats stormwater from the central heating plant, oil storage tank containment area, and the former coal storage yard. The discharge valve from each secondary containment area is normally closed. Accumulated precipitation is not released until it has been visually inspected for signs of contamination. The oil/water separator units receive periodic inspections and cleaning as outlined by the <i>Operations and Maintenance Manual for Process Wastewater Outfalls, Marine Corps Base Quantico</i> .	1-H, 1-U (Oil/Water separator treats part of flow)
072	A valve (normally closed) controls the discharge from each secondary containment area. Accumulated precipitation in the containment area is not released until it has been visually inspected for signs of contamination. An oil/water separator treats drainage and runoff from the tank farm, the vehicle loading/unloading area, and the aboveground storage tanks. This unit receives periodic inspections and cleaning as outlined by the <i>Operations and Maintenance Manual for Process Wastewater Outfalls, Marine Corps Base Quantico</i> .	1-H, 1-U (Oil/Water separator)
073	Stormwater runoff from the landfill enters a detention pond prior to discharge through the outfall.	1-U
074	Stormwater runoff from the landfill enters a detention pond prior to discharge through the outfall.	1-U
086	None.	
090	None.	
091	A concrete detention basin contains any spills in the engine test area. The discharge valve from the detention basin is normally closed. Accumulated precipitation in the detention basin is not released to a collection pond until it has been visually inspected for contamination.	

Attachment 2F.V.B - Testing for Nonstormwater Discharges

Form 2F, Item V Nonstormwater Discharges

Visual inspection, dye testing, and smoke testing have been used to identify non stormwater discharges to the outfalls in this Form 2F many times over the past ten years. This section describes several large-scale inspections in chronological order. This section does not list dye testing that has been conducted at Outfalls 073, 074, 075, 086 and 090 because these outfalls carry overland flow only, or at Outfalls 072 and 091 because all stormwater sources are known.

In 2010 and 2012, illicit discharge surveys were completed to identify any dry-weather discharges.

In 2014-2015, an investigation was initiated and completed to identify the cause on an illicit discharge that was affecting OF-035. The cause was determined to be water tank sanitizing practices that were the cause on an illicit discharge that was affecting OF-035.

Continued from Page 2

VII. Discharge Information									
A, B, C, & D: See instructions before proceeding. Complete one set of tables for each outfall. Annotate the outfall number in the space provided. Table VII-A, VII-B, VII-C are included on separate sheets numbers VII-1 and VII-2.									
E. Potential discharges not covered by analysis – is any toxic pollutant listed in table 2F-2, 2F-3, or 2F-4, a substance or a component of a substance which you currently use or manufacture as an intermediate or final product or byproduct?									
Yes (list all such pollutants t	below)		No (go to Section IX)						
VIII. Biological Toxicity Testing I	Data								
Do you have any knowledge or reason to relation to your discharge within the last 3		cute or chronic toxic	ty has been made on any of you	r discharges or on a receiving water in					
Yes (list all such pollutants b			No (go to Section IX)						
			? No (go to Section X)	D. Dollutosto Applyrad					
A. Name	B. Address		C. Area Code & Phone No.	D. Pollutants Analyzed					
Universal Laboratories	20 Research Drive Hampton, VA 23666		800-695-2162	All except pH, Total Residual Chlorine, and Temperature					
X. Certification				·					
I certify under penalty of law that this doc that qualified personnel properly gather an directly responsible for gathering the infor there are significant penalties for submittin	d evaluate the information submitted in mation, the information submitted in	d. Based on my inquis, to the best of my	iiry of the person or persons who knowledge and belief, true, acc	manage the system or those persons curate, and complete. I am aware that					
A. Name & Official Title (Type Or Print)		1	B. Area Code and Phone No.						
J.D. Provenzano III, Deput	ty, AC/S Installation	Env Div 70	703-432-0539						
C. Signature			D. Date Signed						
			23 Jun 2016						

EPA Form 3510-2F (1-92)

Page 3 of 3

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

	Maximum Values Average Values (include units) (include units) Number		Number	Outfall No. 007		
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	of Storm Events Sampled	Sources of Pollutants
Oil and Grease	ND	N/A			1	
Biological Oxygen Demand (BOD5)	<2 mg/l				1	
Chemical Oxygen Demand (COD)	24.03 mg/l				1	
Total Suspended Solids (TSS)	3.3 mg/l				1	
Total Nitrogen	1.31 mg/l				1	
Total Phosphorus	0.05 mg/l				1	
рН	Minimum 7.01	Maximum 7.01	Minimum	Maximum	1	

	Maximum Values Average Values (include units) (include units)		rage Values clude units)	Number			
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	of Storm Events Sampled	Sources of Pollutants	
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Part C - List each pollutant shown in Table 2F-2, 2F-3, and 2F-4 that you know or have reason to believe is present. See the instructions for additional details and requirements. Complete one table for each outfall.										
	Maxim	um Values	Ave	erage Values						
Pollutant	(inclu Grab Sample	de units)	(in Grab Sample	nclude units)	Number of	00)7			
and CAS Number	Taken During	Floring Marintan	Taken During	Fig. 18722-14-1	Storm Events					
(if available)	First 20 Minutes	Flow-Weighted Composite	First 20 Minutes	Flow-Weighted Composite	Sampled	So	urces of Pollutants			
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Part D - Pro	ovide data for the sto	orm event(s) which resu	Ited in the maxim	um values for the flow wei	ghted composite	sample.				
1.	2.	3.		4.	Naviana	5.	6.			
Date of	Duration	Total rain		Number of hours between beginning of storm meas	ured r	n flow rate during ain event	Total flow from			
Storm Event	of Storm Event (in minutes)	during storm (in inche		and end of previous measurable rain ever		ns/minute or ecify units)	rain event (gallons or specify units)			
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7. Provide a description of the method of flow measurement or estimate.										
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Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

		um Values ide units)		erage Values clude units)	Number		
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	of Storm Events Sampled	Outfall No. 016 Sources of Pollutants	
Oil and Grease	ND	N/A			1		
Biological Oxygen Demand (BOD5)	<2 mg/l				1		
Chemical Oxygen Demand (COD)	26.34 mg/l				1		
Total Suspended Solids (TSS)	18.1 mg/l				1		
Total Nitrogen	0.60 mg/l				1		
Total Phosphorus	0.08 mg/l				1		
рН	Minimum 6.81	Maximum 6.81	Minimum	Maximum	1		

	(inclui	ım Values de units)			Number	Outfall No. 016
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes				of Storm Events	Sources of Pollutants
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Part C - Lis	it each pollutant sno quirements, Complet	te one table for each ou	, and 2F-4 that you tfall.	ou know or nave reason to	o believe is pres	ent. See the instruc	ctions for additional details and
		um Values ide units)		erage Values aclude units)	Number		
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted	Grab Sample Taken During First 20 Minutes	Flow-Weighted	of Storm Events Sampled		fall No. 016
Zinc	0.029 mg/l	Composite	Minutes	Composite	1	- 30	Juices of Foliation 13
Copper	ND				1	+	
Barium	0.079 mg/l				1	1	
Sulfate	17.7 mg/l				1		
Surfactant	ND		İ		1	Ì	
Lead	ND				1		
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Part D - Pr	ovide data for the sto	orm event(s) which resu	Ited in the maxim	um values for the flow wei	ghted composite	sample.	
1.	2.	3.		4.		5.	
Date of Storm Event	Duration of Storm Event (in minutes)	Total rair during storm (in inche	event	Number of hours between beginning of storm meas and end of previous measurable rain ever	sured (gall	m flow rate during rain event ons/minute or necify units)	6. Total flow from rain event (gallons or specify units)
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7. Provide a	description of the me	ethod of flow measurem	ent or estimate.				

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

	Maximum Values (include units)		Average Values (include units)		Number	0 4 5 3 7 77 0 70
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	of Storm Events Sampled	Outfall No. 072 Sources of Poliutants
Oil and Grease	ND	N/A			1	
Biological Oxygen Demand (BOD5)	<2.0 mg/l				1	
Chemical Oxygen Demand (COD)	ND				1	
Total Suspended Solids (TSS)	11.4 mg/l				1	
Total Nitrogen	0.48 mg/l			, i	1	
Total Phosphorus	0.04 mg/l				1	
рН	Minimum 6.91	Maximum 6.91	Minimum	Maximum	1	

requir	ements.						
	(inclu	um Values de units)	Aver	rage Values clude units)	Number		
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	of Storm Events Sampled	Outfall No. 072 Sources of Pollutants	
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Pollutant and	(inclu Grab Sample Taken During	ude units)	(in Grab Sample Taken During	nclude units)	Number of Storm	Outfa	all No. 072
CAS Number (if available)	First 20 Minutes	Flow-Weighted Composite	First 20 Minutes	Flow-Weighted Composite	Events Sampled	So	ources of Pollutants
PA 624	< MDL				1		
hylbenze	ND				1	_	
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D – Pro	vide data for the stor	rm event(s) which resul	ted in the maximu	ım values for the flow wei	ghted composite	sample.	•
1.	2.	3.		4.		5.	
Date of Storm Event	Duration of Storm Event (in minutes)	Total raint during storm	event	Number of hours betwee beginning of storm meas and end of previous measurable rain eyer	sured ra (gallo	flow rate during in event	6. Total flow from rain event
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Provide a de	escription of the met	hod of flow measureme	ent or estimate.				·

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

			Number			
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	of Storm Events Sampled	Outfall No. 073 Sources of Pollutants
Oil and Grease	ND	N/A			1	
Biological Oxygen Demand (BOD5)	2.0 mg/l				1	
Chemical Oxygen Demand (COD)	ND				1	
Total Suspended Solids (TSS)	287.5 mg/l				1	
Total Nitrogen	0.48 mg/l				1	
Total Phosphorus	0.05 mg/l				1	
рH	Minimum 7.08	Maximum 7.08	Minimum	Maximum	1	

	(inclu	ım Values de units)	Aver (inc.	age Values lude units)	Number		
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	of Storm Events Sampled	Outfall No. 073 Sources of Pollutants	
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		um Values		erage Values	1			
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20	Flow-Weighted	Grab Sample Taken During First 20	Flow-Weighted] ,	lumber of Storm Events ampled		urces of Pollutants
EPA 808	Minutes	Composite	Minutes	Composite	1	ampleu	30	urces or Foliatants
PCB	<u> </u>				1			<u>, , , , , , , , , , , , , , , , , , , </u>
TDS	137 mg/l				1			,
TOC	7.66 mg/l				1			
Barium	0.024 mg/l				1			
Chromium	ND				1			
See result	attached for	EPA Method 808	and PCB	data				
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Part D - Pro	ovide data for the sto	orm event(s) which resu	Ited in the maxim	um values for the flow we	ighted	composite s	sample.	
1. Date of Storm Event	2. Duration of Storm Event (in minutes)	3. Total rain during storm (in inche	event	4. Number of hours betw beginning of storm meas and end of previous measurable rain eve	sured s	га (galloi	5. flow rate during in event or cify units)	6. Total flow from rain event (gallons or specify units)
7. Provide a	escription of the me	ethod of flow measurem	ent or estimate.	·	- '			

Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

		um Values ide units)		erage Values eclude units)	Number		
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	of Storm Events Sampled	Outfall No. 074 Sources of Pollutants	
Oil and Grease	ND	N/A			1		
Biological Oxygen Demand (BOD5)	4.0 mg/l				1		
Chemical Oxygen Demand (COD)	37.88 mg/l				1		
Total Suspended Solids (TSS)	101.6 mg/l				1		
Total Nitrogen	0.60 mg/l				1		
Total Phosphorus	0.06 mg/l				1		
рН	Minimum 6.96	Maximum 6.96	Minimum	Maximum	1		

	Maximu (inclus	um Values de units)	Aver (inc	age Values lude units)	Number		
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	of Storm Events Sampled	Outfall No. 074 Sources of Pollutants	
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Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

		um Values ude units)		erage Values oclude units)	Number		
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	of Storm Events Sampled	Outfall No. 086 Sources of Pollutants	
Oil and Grease	ND	N/A			1		
Biological Oxygen Demand (BOD5)	<2.0 mg/l				1		
Chemical Oxygen Demand (COD)	ND				1		
Total Suspended Solids (TSS)	18.1 mg/l				1		
Total Nitrogen	0.29 mg/l		_		1		
Total Phosphorus	0.04 mg/l				1		
pH	Minimum 7.11	Maximum 7.11	Minimum	Maximum	1		

	(includ	ım Values de units)	Aver (inc	age Values lude units)	Number		
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	of Storm Events Sampled	Outfall No. 086 Sources of Pollutants	
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red	quirements. Complet	te one table for each ou	ıtfall.		T		1	octions for additional details and
		um Values ide units)		erage Values nclude units)		Number		
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite		of Storm Events Sampled		all No. 086
Barium	0.037 mg/l	Composito	IVIIITUICS	Composite	1			
Iron	2.32 mg/l			 	1			.,.,.
Manganese	0232 mg/l				1			
Nickel	ND				1			
Zinc	0.040 mg/l				1			
Chlorides	ND				1		 	
Dioxin,OCD	ND				1			
Fecal Coli	350 cfu		1		1			
MBAS	ND				1			
Hardness	170 mg/l				1			··
Sulfate	48.0 mg/l				1			
TDS	221 mg/l				1			
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Part D - Pro	vide data for the stor	rm event(s) which resu	Ited in the maxim	um values for the flow wei	ighted (composite s		
1. Date of Storm Event	2. Duration of Storm Event (in minutes)	3. Total rain during storm (in inche	event	4. Number of hours betwee beginning of storm meas and end of previous measurable rain ever	sured	ra. (gallor	5. flow rate during in event or cify units)	6. Total flow from rain event (gallons or specify units)
7 Provide o d	escription of the most	thod of flow measurement	ent or octimata					
7. FTOVIDE & Q	escription of the met	nod of now measurem	ent or estimate.					·
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Part A - You must provide the results of at least one analysis for every pollutant in this table. Complete one table for each outfall. See instructions for additional details.

		um Values ide units)		erage Values nclude units)	Number	
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	of Storm Events Sampled	Outfall No. 090 Sources of Pollutants
Oil and Grease	ND	N/A			1	
Biological Oxygen Demand (BOD5)	<2.0 mg/l				1	
Chemical Oxygen Demand (COD)	ND				1	
Total Suspended Solids (TSS)	9.8 mg/l				1	
Total Nitrogen	ND				1	
Total Phosphorus	0.04 mg/l				1	
pН	Minimum 7.15	Maximum 7.15	Minimum	Maximum	1	

	(inclu	ım Values de units)	Aver (inc	age Values lude units)	Number	
Pollutant and CAS Number (if available)	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	Grab Sample Taken During First 20 Minutes	Flow-Weighted Composite	of Storm Events Sampled	Outfall No. 090 Sources of Pollutants
				·		
					 	
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Continued from the Front

Pollutant and CAS Number Grab Sample Taken During First 20 Flow-Weighted Taken During First 20 Minutes Composite Taken During First 20 Minutes Taken During First 20 Minutes Taken During Ta			um Values ide units)	Av (ii	erage Values nclude units)		Number		
Chlorides 3 .366 mg/1	and CAS Number	Grab Sample Taken During First 20	Flow-Weighted	Grab Sample Taken During First 20	Flow-Weighted		of Storm Events		
Pecal Colis 38 cfu	Chlorides						<u> </u>		
Sulfate 16.9 mg/1	Dioxin,OCD	ND			<u> </u>	1		 	
Sulfate 16.9 mg/1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Fecal Coli	38 cfu				1			
1	Hardness	40 mg/l				1		• • • • • • • • • • • • • • • • • • • •	
Barium 0.040 mg/1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Sulfate	16.9 mg/l				1			
Iron 0.94 mg/1 1 1	TDS	80 mg/l				1			
Manganese 0.085 mg/1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Barium	0.040 mg/l				1			
Part D — Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample. 1. Date of Storm Event Uning storm event (in minutes) 2. Duration of Storm Event Uning storm event (in inches) 1. Number of hours between beginning of storm measured and of previous (gallonsmute or specify units) 1. Storm Event (in minutes) 1. Total rainfall during storm event (in inches) 1. Storm of Storm Event Uning storm event (in inches) 1. Storm of Storm Event Uning storm event (gallonsmute or specify units) 1. Storm of Storm Event Uning storm event (gallons or specify units) 1. Storm of Storm Event Uning storm event (gallons or specify units)	Iron	0.94 mg/l				1			
2 and D — Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample. 1. Date of Storm Event of Storm Event (in minutes) 1. Total rainfall during storm event (in inches) 1. Number of hours between beginning of storm measured and end of previous measured in event (gellons or specify units) 1. Storm Event (in minutes) 2. Duration during storm event (in inches) 3. Number of hours between beginning of storm measured and end of previous measured in event (gellons or specify units) 4. Number of storm generated units or specify units or speci	Manganese	0.085 mg/l				1			
Part D — Provide data for the storm event(s) which resulted in the maximum values for the flow weighted composite sample. 1. Date of Duration Storm Event during storm event during storm event (in minutes) 2. Total anfall during storm event and end of previous (gallons/minute or specify units) Event (in minutes) 2. Sample. 4. Number of hours between beginning of storm measured (gallons/minute or specify units) Maximum flow rate during rain event (gallons/minute or specify units) (gallons or specify units)	Nickel	ND				1		<u> </u>	
1. 2. 3. Number of hours between beginning of storm measured Event (in minutes) 4. Number of hours between beginning of storm measured and end of previous measurable rain event (in minutes) 4. Number of hours between beginning of storm measured and end of previous measurable rain event (gallons/minute or specify units) 5. Maximum flow rate during rain event (gallons/minute or specify units) 6. Total flow from rain event (gallons or specify units)	Zinc	0.018 mg/l				1			
1. 2. 3. Number of hours between beginning of storm measured and end of previous measurable rain event (in minutes) 4. Number of hours between beginning of storm measured and end of previous measurable rain event (gallons/minute or specify units) 5. Maximum flow rate during rain event (gallons/minute or specify units) 6. Total flow from rain event (gallons or specify units)							,		
1. 2. 3. Number of hours between beginning of storm measured Event (in minutes) 4. Number of hours between beginning of storm measured and end of previous measurable rain event (in minutes) 4. Number of hours between beginning of storm measured and end of previous measurable rain event (gallons/minute or specify units) 5. Maximum flow rate during rain event (gallons/minute or specify units) 6. Total flow from rain event (gallons or specify units)			-			-			
1. 2. 3. Number of hours between beginning of storm measured and end of previous measurable rain event (in minutes) 1. 2. 3. Number of hours between beginning of storm measured and end of previous measurable rain event (gallons/minute or specify units) 1. 2. 3. Number of hours between beginning of storm measured and end of previous measurable rain event (gallons/minute or specify units) 1. 2. 3. Number of hours between beginning of storm measured and end of previous measurable rain event (gallons/minute or specify units)						 			
1. 2. 3. Number of hours between beginning of storm measured Event (in minutes) 4. Number of hours between beginning of storm measured and end of previous measurable rain event (in minutes) 4. Number of hours between beginning of storm measured and end of previous measurable rain event (gallons/minute or specify units) 5. Maximum flow rate during rain event (gallons/minute or specify units) 6. Total flow from rain event (gallons or specify units)									
1. 2. 3. Number of hours between beginning of storm measured and end of previous measurable rain event (in minutes) 4. Number of hours between beginning of storm measured and end of previous measurable rain event (gallons/minute or specify units) 5. Maximum flow rate during rain event (gallons/minute or specify units) 6. Total flow from rain event (gallons or specify units)			-			+			
1. 2. 3. Number of hours between beginning of storm measured Event (in minutes) 4. Number of hours between beginning of storm measured and end of previous measurable rain event (in minutes) 4. Number of hours between beginning of storm measured and end of previous measurable rain event (gallons/minute or specify units) 5. Maximum flow rate during rain event (gallons/minute or specify units) 6. Total flow from rain event (gallons or specify units)		-		. <u>.</u>					
1. 2. 3. Number of hours between beginning of storm measured and end of previous measurable rain event (in minutes) 1. 2. 3. Number of hours between beginning of storm measured and end of previous measurable rain event (gallons/minute or specify units) 1. 2. 3. Number of hours between beginning of storm measured and end of previous measurable rain event (gallons/minute or specify units) 1. 2. 3. Number of hours between beginning of storm measured and end of previous measurable rain event (gallons/minute or specify units)						_			
1. 2. 3. Number of hours between beginning of storm measured and end of previous measurable rain event (in minutes) 1. 2. 3. Number of hours between beginning of storm measured and end of previous measurable rain event (gallons/minute or specify units) 1. 2. 3. Number of hours between beginning of storm measured and end of previous measurable rain event (gallons/minute or specify units) 1. 2. 3. Number of hours between beginning of storm measured and end of previous measurable rain event (gallons/minute or specify units)									
1. 2. 3. Number of hours between beginning of storm measured and end of previous measurable rain event (in minutes) 4. Number of hours between beginning of storm measured and end of previous measurable rain event (gallons/minute or specify units) 5. Maximum flow rate during rain event (gallons/minute or specify units) 6. Total flow from rain event (gallons or specify units)									
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1. 2. 3. Number of hours between beginning of storm measured and end of previous measurable rain event (in minutes) 1. 2. Duration of Storm Event (in minutes) 2. Duration of Storm Event (in minutes) 3. Number of hours between beginning of storm measured and end of previous measurable rain event 3. Number of hours between beginning of storm measured and end of previous measurable rain event 4. Storm Event (in minutes) 5. Duration of Storm Event (in minutes) 6. Total flow from rain event (gallons/minute or specify units) 6. Total flow from rain event (gallons/minute or specify units)									
1. 2. 3. Number of hours between beginning of storm measured and end of previous measurable rain event (in minutes) 4. Number of hours between beginning of storm measured and end of previous measurable rain event (gallons/minute or specify units) 5. Maximum flow rate during rain event (gallons/minute or specify units) 6. Total flow from rain event (gallons or specify units)						-			
1. 2. 3. Number of hours between beginning of storm measured and end of previous measurable rain event (in minutes) 4. Number of hours between beginning of storm measured and end of previous measurable rain event (gallons/minute or specify units) 5. Maximum flow rate during rain event (gallons/minute or specify units) 6. Total flow from rain event (gallons or specify units)	Part D — Pro	vide data for the stor	m event/s) which resul	ted in the maxim	um values for the flow wo	ighted		comple	
Date of Storm of Storm Event (in minutes) Total rainfall during storm event (in minutes) Total rainfall during storm event (in inches) Total rainfall beginning of storm measured and end of previous measurable rain event (in minutes) Total rainfall during storm event (gallons/minute or specify units) Total flow from rain event (gallons or specify units)				cu in the maxim		ignieu i	composite s		- - ·
7. Provide a description of the method of flow measurement or estimate.	Date of Storm	Duration of Storm Event	Total raint during storm	event	beginning of storm meas and end of previous	sured	rai (gallor	in event ns/minute or	Total flow from
7. Provide a description of the method of flow measurement or estimate.									•
7. Provide a description of the method of flow measurement or estimate.									
7. Provide a description of the method of flow measurement or estimate.									·
	7. Provide a d	escription of the met	thod of flow measureme	ent or estimate.				l	

Table 2F.VIII MCB Quantico VPDES Permit Renewal VPDES Permit No. VA 0002151

Outfall 016	Acute 48 HR STAT Ceriodaphnia Dubia, TUa	Acute 48 HR STAT Pimephales Promelas, TUa
Jan 1, 2013 to Mar 31, 2013	<1.00	<1.00
Apr 1, 2013 to Jun 30, 2013	<1.00	<1.00
July 1, 2013 to Sept 30, 2013	<1.00	<1.00
Oct 1, 2013 to Dec 31, 2013	<1.00	<1.00
Jan 1, 2014 to Mar 31, 2014	<1.00	<1.00
Apr 1, 2014 to Jun 30, 2014	<1.02	<1.00
July 1, 2014 to Sept 30, 2014	<1.00	<1.00
Oct 1, 2014 to Dec 31, 2014	<1.00	<1.00
Jan 1, 2015 to Mar 31, 2015	<1.00	<1.00
Apr 1, 2014 to Jun 30, 2015	<1.00	<1.00
July 1, 2015 to Sept 30, 2015	<1.00	<1.00
Oct 1, 2015 to Dec 31, 2015	<1.02	<1.00

Table 2F-1 MCB Quantico VPDES Permit Renewal VPDES Permit No. VA0002151

	В.	Latitude		(C. Longitud	le	D. Receiving Water (Name)
A. Outfall Number (List)	1. Deg.	2. Min	3. Sec.	1. Deg.	2. Min.	3. Sec.	D. Receiving water (Manie)
007	38	30	54	-77	17	55	Unnamed tributary to Potomac River
010	38	30	54	-77	17	46	Unnamed tributary to Potomac River
014	38	30	36	-77	18	11	Unnamed tributary to Potomac River
016	38	30	47	-77	18	11	Unnamed tributary to Potomac River
072	38	31	26	-77	24	40	Unnamed tributary to Beaverdam Creek
721	38	31	26	-77	24	40	Unnamed tributary to Beaverdam Creek
073	38	31	16	-77	25	26	Unnamed tributary to Beaverdam Creek
074	38	31	23	-77	25	19	Unnamed tributary to Beaverdam Creek
086	38	31	31	-77	22	23	Unnamed tributary to Chopawamsic Creek
090	38	31	30	-77	22	6	Unnamed tributary to Chopawamsic Creek
091	38	30	13	-77	18	3	Unnamed tributary to Potomac River

Note: Outfalls No. 010, 014 and 030 have been deleted from the permit due to removal of industrial activities in their respective drainage basin areas.

Note: Outfall 721 is for hydrostatic tank pressure testing at the Fuel Farm. Not sampling was done at this outfall for the permit renewal application.

Table 2C.II-B MCB Quantico VPDES Permit Renewal VPDES Permit No. VA0002151

	2. Operations (s) Cont			Treatment
1. Outfall No.		b. Average Flow (gallons per		
(list)	a. Operation (list)	day)	a. Description	b. List Codes from Table 2C-1
	Mainside WTP ¹			
003	a. Clarifier (2) Blowdown	4,236	1,2	U,E
003	b. Backwashing of 7 dual media filters	52,000	1	U
	c. Stormwater	200	1	U
	NCO Swimming Pool			
009	a. Annual Pool Draining ²	70,000	2	E
	b. Stormwater	100	4	A
	Mainside Drainage - North			
010	b. Stormwater	310,000	4	A
	c. NCCW	12,000	4	Α
	HMX-1 Hangars and Maintenance			
014	a. Mechanical Room	1,000	4	A
	b. Stormwater	91,000	4	Α
	Mainside Drainage-South			
016	a. Stormwater	760,000	1	Н
010	c. NCCW ³	720	4	Α
	d. Water softener backwash, CHP	71		
	HMX-1 Airfield BOQ			
035	b. Stormwater	15,300	4	Α
	c. NCCW	4,320	4	Ä

¹ No regular discharge from this outfall as a result of water treatment plant operations has occurred since June 1997.

Notes:

³ NCCW is discharged May through September each year.

² Flow rate is held constant during the draining of the pool. Pool draining lasts for approx. 11 days.

	complete the follo	owing idole)			NO (go to Sec	ction III)				
				3. FRE	QUENCY			4. FLOW		
	2. (DPERATION(s)		a. DAYS PER WEEK	b. MONTHS	a. FLOW RA	TE (in mgd)		AL VOLUME fy with units)	
1. OUTFALL NUMBER (<i>list</i>)		RIBUTING FLO	w	(specify average)	PER YEAR (specify average)	1. LONG TERM AVERAGE	2. MAXIMUM DAILY	1. LONG TE AVERAGE	RM 2. MAXIMU	C. DURATION (in days)
	SE SEE TABLE OWING PAGE	E 2C.II-C C	ON THE							
	J. 2									
I. PRODUCTION										
A. Does an effluent gu			I by EPA under Se				r facility?			
3. Are the limitations in	complete Item III	-	aline evareceed in	· · · · · · · · · · · · · · · · · · ·	NO (go to Sec		ration)2 NI / 7	<u> </u>		
	complete Item III		aine expressed in	l terms of produ	NO (go to Sec	•	ration)? IN / F	-7		
C. If you answered "ye applicable effluent of	es" to Item III-B	l, list the quar	ntity which represe		measurement	of your level of p	roduction, exp	pressed in th	e terms and u	inits used in the
applicable emuent (guideline, and ir		/ERAGE DAILY P	N/A PRODUCTION						·
a. QUANTITY PER D	AY b. UNIT	S OF MEASU	IRE	c. OPERATIO		MATERIAL, ET	c.	2. F	FFECTED OU (list outfall nur	
I/A	N/A	-	27/2		(specify)			N/A		
/ A	N/A		N/A					N/A		
V. IMPROVEMENTS										
A. Are you now requi	ired by any Fe	deral, State	or local authority	to meet any	implementation	schedule for th	e construction	ı, upgrading	or operations	of wastewater
treatment equipmer permit conditions, a	nt or practices ou idministrative or	or any other er renforcement	ivironmental prog orders, enforcem	grams which ma ent compliance	ay affect the dis e schedule lette	scharges describ rs, stipulations, o	ed in this appli court orders, a	ication? This nd grant or l	includes, but pan conditions	is not limited to,
YES (complete the follo	wing table)			NO (go to lter	n IV-B)				
1. IDENTIFICATION O		2. AFI	FECTED OUTFAL	LLS	3. BRIEF	DESCRIPTION	OF PROJECT	4	. FINAL COMI	PLIANCE DATE
AGREEMENT	., ETC.	a. NO.	b. SOURCE OF DI	SCHARGE	<u> </u>			—	. REQUIRED	b. PROJECTED
I/A		N/A	N/A	N/	A			N,	/A	N/A
		-								
				İ						
		1						İ		
									I	
3. OPTIONAL: You m discharges) you nov	lay attach addi	tional sheets	describing any a	additional water	er pollution con	itrol programs (i	or other envir	onmental pr	ojects which i	may affect your

Table 2C.II-C MCB Quantico VPDES Permit Renewal VPDES Permit No. VA 0002151

1	12. 2	To a second to the second				· · · · · · · · · · · · · · · · · · ·		
PORT STATE		3: FRE	QUENCY			4.FLOW		
						BISTI OT AL	VOILLIME	, · · · · · · · · · · · · · · · · · · ·
				a. FLOWRA	√TE (mad)	(specific v		
1. OUTFALL		a DAYS PER	b. MONTHS PER	1	The state of the s	1: LONG	T- 4 = -	
NUMBER	2 OPERATION(S) CONTRIBUTING		YEAR (specific		2: MAXIMUM		2 MAXIMUM	c. DURATION
(list)	FLOW (LIST)	⇒ average):	average)	AVERAGE [DAILY	AVERAGE	DAILY	(in،days)
003	Filter Backwash water/clarifier cleaning	Only	discharges when V	VWTP can not ac	cept flow due	to an emerger	cy. Very spor	adic.
	NCO Swimming Pool - drained annually at			Flow rate held	constant at	Approximatel y 750,000		
009	season end in September	7 days/week	0.37 month/year	0.07 m	iga i	gallons		11
016	Non-Contact Cooling Water	7 days/week	6 month/year	0.0007	0,0007	0.13 mgal	0.13 mgal	182

VA0002151

A, B, & C: See instructions before proceed	eding - Complete one set of tables for each	outfall - Annotate the outfall number in the s	space provided,
D. Use the space below to list any of the		ctions, which you know or have reason to be	
from any outfall. For every pollutant yo	ou list, briefly describe the reasons you belie	ve it to be present and report any analytical	data in your possession.
1. POLLUTANT	2. SOURCE	1. POLLUTANT	2. SOURCE
N/A	N/A	N/A	N/A
VI. POTENTIAL DISCHARGES NOT COV			
YES (list all such pollutants		ou currently use or manufacture as an intern NO (go to Item VI-B)	nediate or final product or byproduct?
The following chemicals are and control corrosion and m Sodium Hydroxide	used to treat noncontact co- icrobial growth.	oling water. Cooling tower w	vater is treated to prevent
Methylene Phosphonic Acid SodiumPolyacylate Poly(maleic acid) Ethylenediamine Tetracetic Detassium Hydroxide 2-(Thiocyanomethylthio)benzo Diethylene Glycol Monomethyl	othiazole		

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (*use the same format*) instead of completing these pages. SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

VA0002151

V. INTAKE AND	EFFLUE	ENT CHARAC	TERISTICS (con	tinued from page 3	of Form 2-C)							C	UTFALL NO.	
PART A -You m	nust provi	de the results	of at least one a	nalysis for every pol	llutant in this table	e. Complete on	ne table for each o	utfall. See insti	uctions for add	itional details.	-			
													. INTAKE optional)	
			IM DAILY VALUE	(if ava		c. LON	IG TERM AVRG. \ (if available)	/ALUE	d NO OF	a CONCEN-		a. LONG TI AVERAGE V		b. NO. OF
_		CONCENTRA	TION (2) MASS	CONCENTRATIO	N (2) MASS	(1) CONCE	NTRATION	(2) MASS	ANALYSES	TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
a. Biochemical (Demand (BOD)	Oxygen						,							
b. Chemical Oxy Demand (COD)	/gen													
c. Total Organic (TOC)	Carbon									-				
AVERAGE														
e. Ammonia (as	Λ)													
f. Flow		VALUE	0	VALUE		VALUE				_		VALUE		
		VALUE	VALUE VALUE							°C		VALUE		
		VALUE							°C		VALUE			
i. pH		MINIMUM	MAXIMUM	MINIMUM	MAXIMUM			4		STANDARI	OUNITS			
dired	ctly, or in	directly but e	xpressly, in an e	ffluent limitations g	uideline, you mu	st provide the	results of at least	t one analysis	for that polluta	int. For other p	ollutants for v	umn 2a for any pollu vhich you mark colu	itant which is imn 2a, you	limited either must provide
			The state of the s	recented in your dist			cach odtali, occ t	ne mandenona	TOT ACCITIONAL			T 5. IN	TAKE (options	10
			a MAXIMUM						Ē			a. LONG TERM	AVERAGE	,
	BELIEVE	D BELIEVED	(1)	T	(1)	T	(1)					(1)		b. NO. OF ANALYSES
		X												
		X												
c. Color		X					ļ							
d. Fecal Coliform		\perp			<u></u>									
		X												
		X												

ITEM V-B CONT	2. MA			· · · · · ·	3.	EFFLUENT				4. UNI	rs	5. INT.	AKE (option	al)
1. POLLUTANT AND CAS NO.	a.	b.	a. MAXIMUM DA	VILY VALUE	b. MAXIMUM 30 (if availa	DAY VALUE	c. LONG TERM A' (if availa					a. LONG TI AVERAGE V	ERM	
(if available)	BELIEVED PRESENT	BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION		b. NO, OF ANALYSES
g. Nitrogen, Total Organic (as N)		\times												
h. Oil and Grease		\times												
i. Phosphorus (as P), Total (7723-14-0)		X												
j. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium, Total	-	X										-		
(4) Radium 226, Total		X												
k. Sulfate (as SO ₄) (14808-79-8)		X				-								
I. Sulfide (as S)		X												
m, Sulfite (as SO ₃) (14265-45-3)		X											-	
n. Surfactants		\times								•				
o. Aluminum, Total (7429-90-5)		X												
p. Barium, Total (7440-39-3)		\times												
q. Boron, Total (7440-42-8)		X												
r. Cobalt, Total (7440-48-4)		X		<u> </u>						** · · · ·				
s. Iron, Total (7439-89-6)		X		_										
t. Magnesium, Total (7439-95-4)		X												
u. Molybdenum, Total (7439-98-7)		X												
v. Manganese, Total (7439-96-5)		X												
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
VA0002151	003

CONTINUED FROM PAGE 3 OF FORM 2-C

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements. 2. MARK "X" 3. EFFLUENT 4. UNITS 5. INTAKE (optional) 1. POLLUTANT b. MAXIMUM 30 DAY VALUE c. LONG TERM AVRG. a. LONG TERM AND a. MAXIMUM DAILY VALUE (if available) VALUE (if available) AVERAGE VALUE CAS NUMBER d. NO. OF TESTING | BELIEVED | BELIEVED a. CONCENb. NO. OF (1) CONCENTRATION (if available) REQUIRED PRESENT ABSENT (2) MASS CONCENTRATION (2) MASS (2) MASS ANALYSES TRATION b. MASS ANALYSES CONCENTRATION CONCENTRATION (2) MASS METALS, CYANIDE, AND TOTAL PHENOLS M. Antimony, Total (7440-36-0) 2M. Arsenic, Total (7440-38-2) 3M. Beryllium, Total (7440-41-7) 4M. Cadmium, Total (7440-43-9) 5M. Chromium. Total (7440-47-3) 6M. Copper, Total (7440-50-8) 7M. Lead, Total (7439-92-1) 8M. Mercury, Total (7439-97-6) 9M. Nickel, Total (7440-02-0)10M, Selenium, Total (7782-49-2) 11M, Silver, Total (7440-22-4) 12M, Thallium. Total (7440-28-0) 13M, Zinc, Total (7440-66-6) 14M. Cvanide. Total (57-12-5) 15M. Phenols. Total DIOXIN

2,3,7,8-Tetra-

chlorodibenzo-P-Dioxin (1764-01-6) DESCRIBE RESULTS

CONTINUED FROM THE FRONT

1.	CONTINUED FRO															
AND TOTAL		:	2. MARK "X	,								4. UN	ITS	5. INTA	al)	
REQUEST RESURT ASSET CONCENTRATION 2) MASS CONCENTRATION	AND	a.	b.	C.			(if availa	ble)	VALUE (if ava	1 AVRG. ailable)	4 NO OF	• CONCEN	_	AVERAGE V		L 110 05
COMPANDED COMPANDED		REQUIRED	PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS			b. MASS	(1) CONCENTRATION	(2) MASS	
(107-02-5)	GC/MS FRACTION	I – VOLATIL	E COMPO	JNDS				L	·						(2)	
(107-13-1) SV Pentrame (71-43-2) SV Pentrame (71-4				X												
(71-43-2)	2V. Acrylonitrile (107-13-1)		_	X												
Description Description	3V. Benzene (71-43-2)			X												
(175-25-2) (175-25-25-2) (175-25-25-2) (175-25-25-2) (175-25-25-2) (175-25-25-2) (175-25-25-2) (175-25-25-2) (175-25-25-2) (175-25-25-2) (175-25-25-25-25-2) (175-25-25-25-2) (175-25-25-25-2) (175-25-25-25-2) (175-25-25-25-2) (175-25-25-25-2)	methyl) Ether			X												
Telrachioloid G6-23-5 TV. Chiorbetrazere G6-23-5 TV. Chiorbetrazere G6-23-5 TV. Chiorbetrazere G7-04-0-1 G7-				X						1						
(108-90-7)	Tetrachloride			X												
Demonstration Demonstratio	7V. Chlorobenzene (108-90-7)			X												
(75-00-3)	bromomethane	-		X												
athyliny Ether (110-75-8)				X												
12V. Dichloro-bromomethane (75-27-4)	ethylvinyl Ether			X						-						
Indicate Indicate				X						-			-			
diffuoromethane (75-31-8) 14V. 1,1-Dichloro-ethane (75-34-3) 15V. 1,2-Dichloro-ethane (70-70-62) 16V. 1,1-Dichloro-ethylene (75-35-4) 17V. 1,2-Dichloro-propane (78-87-5) 18V. 1,3-Dichloro-propylene (542-75-6) 19V. Ethylbenzene (100-41-4) 20V. Methyl Bromide (74-83-9) 21V. Methyl 21V. Methyl	bromomethane (75-27-4)			X											**	
Ethane (75-34-3)	difluoromethane			X												
ethane (107-06-2) 16V. 1,1-Dichloro- ethylene (75-35-4) 17V. 1,2-Dichloro- propane (78-87-5) 18V. 1,3-Dichloro- propylene (542-75-6) 19V. Ethylbenzene (100-41-4) 20V. Methyl Bromide (74-83-9) 21V. Methyl	14V. 1,1-Dichloro- ethane (75-34-3)			X												
ethylene (75-35-4) 17V. 1,2-Dichloro- propane (78-87-5) 18V. 1,3-Dichloro- propylene (542-75-6) 19V. Ethylbenzene (100-41-4) 20V. Methyl Bromide (74-83-9) 21V. Methyl	15V, 1,2-Dichloro- ethane (107-06-2)			X		· <u>-</u>										
Propane (78-87-5)				X		·										
Dropylene (542-75-6)				X												
(100-41-4) 20V. Methyl Bromide (74-83-9) 21V. Methyl	propylene			X											-	
21V. Methyl				X												
	20V, Methyl Bromide (74-83-9)			X											-	
				X												

CONTINUED FROM PAGE V-4

CONTINUED FROM		2. MARK "X	n			3. E	FFLUENT				4. UN	ITS	5. INTA	KE (optiona	1/)
1. POLLUTANT AND	a.	b,	C.	a. MAXIMUM DA	ILY VALUE	b. MAXIMUM 30 I	DAY VALUE	c, LONG TERN VALUE (if ava					a. LONG T AVERAGE V	ERM	
CAS NUMBER (if available)		BELIEVED PRESENT	BELIEVED ABSENT		(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION	I – VOLATIL	E COMPO	UNDS (com	tinued)					•						
22V. Methylene Chloride (75-09-2)			X												
23V. 1,1,2,2- Tetrachloroethane (79-34-5)			X												
24V. Tetrachloro- ethylene (127-18-4)			X												
25V. Toluene (108-88-3)			X												
26V. 1,2-Trans- Dichloroethylene (156-60-5)			X											-	
27V. 1,1,1-Trichloro- ethane (71-55-6)			X												
28V. 1,1,2-Trichloro- ethane (79-00-5)			X												
29V Trichloro- ethylene (79-01-6)			X		· -					-					
30V. Trichloro- fluoromethane (75-69-4)			X												
31V. Vinyl Chloride (75-01-4)			X												
GC/MS FRACTION	- ACID CC	MPOUNDS	3						l	h		<u>.</u>		<u>-</u>	
1A. 2-Chlorophenol (95-57-8)			X				-								
2A. 2,4-Dichloro- phenol (120-83-2)			X												
3A. 2,4-Dimethyl- phenol (105-67-9)			X										-		
4A. 4,6-Dinitro-O- Cresol (534-52-1)			X												
5A. 2,4-Dinitro- phenol (51-28-5)			X												
6A. 2-Nitrophenol (88-75-5)			X												
7A, 4-Nitrophenol (100-02-7)			X												
8A. P-Chloro-M- Cresol (59-50-7)			X						_						
9A. Pentachloro- phenol (87-86-5)			X												
10A. Phenol (108-95-2)			X												
11A. 2,4,6-Trichloro- phenol (88-05-2)			X												

CONTINUED FROM THE FRONT

CONTINUED FRO		2. MARK "X				3. E	FFLUENT		-		4. UN	ITS	5. INTA	AKE (optiona	<i>ι</i> Λ)
1. POLLUTANT AND	a,	Ь	C	a. MAXIMUM DA	II Y VALUE	b. MAXIMUM 30 [(if availal	DAY VALUE	c. LONG TERM VALUE (if ava	AVRG.				a. LONG T	ERM	
CAS NUMBER (if available)	TESTING REQUIRED	b. BELIEVED PRESENT	BELIEVED ABSENT	(1) CONCENTRATION		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS		a. CONCEN- TRATION	b. MASS	AVERAGE \ (1) CONCENTRATION		b. NO. OF ANALYSES
GC/MS FRACTION	- BASE/NE	UTRAL CO	MPOUND				(=)	00.100.11.01.	1 (2)	· .	·		CONCENTRATION	(2) MAGG	.1.
1B. Acenaphthene (83-32-9)		-	X												
2B. Acenaphtylene (208-96-8)			X		•										
3B. Anthracene (120-12-7)	_		X								-				
4B. Benzidine (92-87-5)			X								-				
5B. Benzo (a) Anthracene (56-55-3)			X												
6B. Benzo (a) Pyrene (50-32-8)			X					-						-	
7B. 3,4-Benzo- fluoranthene (205-99-2)			X		i										
8B. Benzo (ghi) Perylene (191-24-2)			X												
9B. Benzo (k) Fluoranthene (207-08-9)			X												
10B. Bis (2-Chloro- ethoxy) Methane (111-91-1)			X				·								
11B. Bis (2-Chloro- ethyl) Ether (111-44-4)			X												
12B. Bis (2- Chloroisopropyl) Ether (102-80-1)			X												
13B. Bis (<i>2-Ethyl-</i> <i>hexyl</i>) Phthalate (117-81-7)			X												
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X				_								
15B. Butyl Benzyl Phthalate (85-68-7)			X												
16B. 2-Chloro- naphthalene (91-58-7)			X												
17B. 4-Chloro- phenyl Phenyl Ether (7005-72-3)			X												
18B. Chrysene (218-01-9)			X	_											
19B. Dibenzo (a,h) Anthracene (53-70-3)			X		•										
20B. 1,2-Dichloro- benzene (95-50-1)			X												
21B. 1,3-Di-chloro- benzene (541-73-1)			X												

CONTINUED FROM PAGE V-6

CONTINUED PRO		2. MARK "X	,			3. F	FFLUENT		· · · · · · · · · · · · · · · · · · ·		4. UN	ITS		AKE (optiona	-Λ
1. POLLUTANT						b. MAXIMUM 30 I		c. LONG TERM	AVRG.		7.01		a. LONG T		<u>")</u>
AND CAS NUMBER	a. TESTING	b. BELIEVED PRESENT	c. BELIEVED	a. MAXIMUM DA		(if availat		VALUE (if ava		d. NO. OF	a. CONCEN-		AVERAGE V	/ALUE	b. NO, OF
(if available)					(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
GC/MS FRACTION	I – BASE/N	EUTRAL CO	DMPOUND	S (continued)							<u> </u>				
22B. 1,4-Dichloro- benzene (106-46-7)			X		,										
23B. 3,3-Dichloro- benzidine (91-94-1)			X												
24B. Diethyl Phthalate (84-66-2)			X												
25B. Dimethyl Phthalate (131 -11-3)			X						-		-	-			
26B. Di-N-Butyl Phthalate (84-74-2)			X		_				-						
27B. 2,4-Dinitro- toluene (121-14-2)			X												
28B. 2,6-Dinitro- toluene (606-20-2)			X												
29B. Di-N-Octyl Phthalate (117-84-0)			X												
30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7)			X												
31B. Fluoranthene (206-44-0)			X							1					
32B. Fluorene (86-73-7)			X												
33B. Hexachloro- benzene (118-74-1)			X												
34B. Hexachloro- butadiene (87-68-3)			X												
35B. Hexachloro- cyclopentadiene (77-47-4)			X												
36B Hexachloro- ethane (67-72-1)			X			-									
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X									1			
38B. Isophorone (78-59-1)			X								_				
39B. Naphthalene (91-20-3)			X								-				
40B. Nitrobenzene (98-95-3)			X						-						
41B. N-Nitro- sodimethylamine (62-75-9)			X												
42B. N-Nitrosodi- N-Propylamine (621-64-7)			X												

CONTINUED FROM THE FRONT

	MITHERRO	2. MARK "X	0	<u> </u>		3. E	FFLUENT			 4. UN	ITS	5. INTA	KE (optiona	<u></u>
1. POLLUTANT AND						b. MAXIMUM 30	DAY VALUE	c. LONG TERM	AVRG.		<u> </u>	a, LONG T	ERM	Ť
CAS NUMBER (if available)	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DA (1) CONCENTRATION		(if availated) (1) CONCENTRATION	(2) MASS	VALUE (if ave (1) CONCENTRATION		a. CONCEN- TRATION	b. MASS	AVERAGE V (1) CONCENTRATION		b. NO. OF ANALYSES
GC/MS FRACTION			MPOUND	S (continued)	(2) WASS	CONCENTRATION	(2) WA33	CONCENTIATION	(2) WA33			CONCENTRATION	(2) MASS	J. 111 12 10 20
43B. N-Nitro- sodiphenylamine (86-30-6)			X	,									· -	
44B. Phenanthrene (85-01-8)			X						_					
45B. Pyrene (129-00-0)			X											
46B. 1,2,4-Tri- chlorobenzene (120-82-1)			X											
GC/MS FRACTIO	V PESTIC	IDES									·			
1P. Aldrin (309-00-2)			X											
2P. α-BHC (319-84-6)			X										-	
3P. β-BHC (319-85-7)			X											
4P. γ-BHC (58-89-9)			X											
5P. δ-BHC (319-86-8)			X				_							
6P. Chlordane (57-74-9)			X											
7P. 4,4'-DDT (50-29-3)			X											
8P. 4,4'-DDE (72-55-9)			X											
9P. 4,4'-DDD (72-54-8)			X											
10P. Dieldrin (60-57-1)			X											
11P. α-Enosulfan (115-29-7)			$_{X}$											
12P. β-Endosulfan (115-29-7)			X											
13P. Endosulfan Sulfate (1031-07-8)			X											
14P. Endrin (72-20-8)			X											
15P. Endrin Aldehyde (7421-93-4)			X											
16P. Heptachlor (76-44-8)			X											

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OUTFALL NUMBER

003

CONTINUED FROM PAGE V-8

CONTINUEDTING	MILITIOL V							1							
	- :	2. MARK "X	n		3. EFFLUENT						4. UN	ITS	5. INTAKE (optional)		
1. POLLUTANT AND CAS NUMBER	a.	b.	C.	a. MAXIMUM DA	LY VALUE	b. MAXIMUM 30 [(if availab		c. LONG TERM VALUE (if ava		1 NO OF	- 001051		a. LONG TERM AVERAGE VALUE		
(if available)	TESTING REQUIRED		ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION	N – PESTICI	DES (contin	ued)							•					
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X											- <u></u>	
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X											·	
22P. PCB-1248 (12672-29-6)			X												
23P. PCB-1260 (11096-82-5)			X		,										
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

EPA Form 3510-2C (8-90)

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (*use the same format*) instead of completing these pages. SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

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V. INTAKE AND) EFFLUE	NT CHARAC	TERISTICS (contin	nued from page 3	of Form 2-C)							O	JTFALL NO.	
PART A -You n	nust provi	de the results	of at least one ana	llysis for every pol	lutant in this table	e. Complete on	ne table for each o	utfall. See inst	ructions for add	itional details.	*	_		
			.		2. EFFLUI	ENT				3. UNI (specify if		4. (a		
	_		IM DAILY VALUE	(if ava	30 DAY VALUE ilable)	c. LON	IG TERM AVRG. ' (if available)	VALUE	4 NO OF	- 000050		a. LONG TE AVERAGE V		
1. POLLUTA		(1) CONCENTRAT	TION (2) MASS	(1) CONCENTRATION	N (2) MASS	(1) CONCE	NTRATION	(2) MASS	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
a. Biochemical (Demand (BOD)	Oxygen	4							1	mg/l				
b. Chemical Oxy Demand (COD)	/gen	ND							1	mg/l				
c. Total Organic (<i>TOC</i>)	Carbon	5.81							1	mg/l				
d. Total Suspen- Solids (758)	ded	71.6							1	mg/l				
e. Ammonia (as	N)	1.54							1	mg/l				
f. Flow		VALUE 0.00	023 MGD	VALUE		VALUE			1			VALUE	-	
g. Temperature (winter)	0.0023 MGE VALUE VALUE VALUE			VALUE	-	VALUE				°C		VALUE		
h. Temperature (summer)			17.2	VALUE		VALUE			1	°C		VALUE		
i. pH		MINIMUM 6.89	MAXIMUM 6.89	MINIMUM	MAXIMUM		77-2-		1	STANDARD	UNITS			
dire	ctly, or in	directly but e	each pollutant you xpressly, in an effl lanation of their pre	uent limitations gr	uideline, you mu:	st provide the	results of at leas	t one analysis	for that polluta	int. For other po	ollutants for v	lumn 2a for any pollu which you mark colu	tant which is mn 2a, you	limited either must provide
	2. M	ARK "X"				. EFFLUENT					NITS	5. INT	AKE (optiona	ı/)
1. POLLUTANT	a.	b.	a. MAXIMUM D		b. MAXIMUM 30 (if availa		c. LONG TERM (if ava	AVRG. VALU				a. LONG TERM VALUE		
CAS NO. (if available)	BELIEVE PRESEN		(1) CONCENTRATION	(2) MASS C	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATIO	N (2) MASS	d. NO. OF ANALYSE			S (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
a. Bromide (24959-67-9)		X												
b. Chlorine, Total Residual	X		0.00						1	mg/l				
c. Color		\times												
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite (as N)	<u> </u>	$\perp \times$												

ITEM V-B CONT	2. MA				3.	EFFLUENT	<u></u>			4. UNI	rs	5. INTAKE (optional)		
1. POLLUTANT AND					b. MAXIMUM 30	DAY VALUE	c. LONG TERM A					a. LONG T	ERM	
CAS NO. (if available)	a. BELIEVED PRESENT	b. BELIEVED ABSENT	a. MAXIMUM DA (1) CONCENTRATION	(2) MASS	(if availa (1) CONCENTRATION	(2) MASS	(if availa (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	AVERAGE V (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
g. Nitrogen, Total Organic (as N)		X	o no zminimo n	(Z) III/OS	Senselvinovion	(z) minoc	CONSENSION	(2) 141/100				CONCENTIATION	(2) WAGG	
h. Oil and Grease		X		_	_									
i. Phosphorus (as P), Total (7723-14-0)		X												
j. Radioactivity														
(1) Alpha, Total		X												
(2) Beta, Total		X												
(3) Radium, Total		X												
(4) Radium 226, Total		X												
k. Sulfate (as SO ₄) (14808-79-8)		X			-							_		
I. Sulfide (as S)		X							-					
m. Sulfite (as SO ₃) (14265-45-3)		X											•	
n. Surfactants		\times												
o. Aluminum, Total (7429-90-5)		X											-	
p. Barium, Total (7440-39-3)		X												
q. Boron, Total (7440-42-8)		X				·								
r. Cobalt, Total (7440-48-4)		X												
s. Iron, Total (7439-89-6)		X							_,,					
t. Magnesium, Total (7439-95-4)		X												
u. Molybdenum, Total (7439-98-7)		X												
v. Manganese, Total (7439-96-5)		X												
w. Tin, Total (7440-31-5)		X												
x. Titanium, Total (7440-32-6)		X												

EPA I.D. NUMBER (copy from Item 1 of Form 1) OUTFALL NUMBER

VA0002151 009

CONTINUED FROM PAGE 3 OF FORM 2-C

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2.4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements. 2. MARK "X" 3. EFFLUENT 4. UNITS 5. INTAKE (optional) 1. POLLUTANT b. MAXIMUM 30 DAY VALUE c. LONG TERM AVRG. a. LONG TERM AND a. MAXIMUM DAILY VALUE (if available) VALUE (if available) **AVERAGE VALUE** CAS NUMBER d. NO. OF a. CONCENb. NO. OF TESTING BELIEVED BELIEVED (1) CONCENTRATION (1) (1) CONCENTRATION (2) MASS (if available) REQUIRED PRESENT ANALYSES TRATION b. MASS ABSENT (2) MASS CONCENTRATION (2) MASS ANALYSES (2) MASS CONCENTRATION METALS, CYANIDE, AND TOTAL PHENOLS 1M. Antimony, Total (7440-36-0) 2M. Arsenic, Total (7440-38-2) 3M. Beryllium, Total (7440-41-7) 4M. Cadmium, Total (7440-43-9) 5M. Chromium, Total (7440-47-3) 6M. Copper, Total (7440-50-8) 7M. Lead. Total (7439-92-1) 8M. Mercury, Total (7439-97-6) 9M. Nickel, Total (7440-02-0) 10M. Selenium. Total (7782-49-2) 11M. Silver, Total (7440-22-4)12M. Thallium. Total (7440-28-0) 13M. Zinc, Total (7440-66-6) 14M. Cyanide, Total (57-12-5) 15M. Phenols. Total DIOXIN 2,3,7,8-Tetra-DESCRIBE RESULTS chlorodibenzo-P-Dioxin (1764-01-6)

CONTINUED FROM THE FRONT

CONTINUED FRO		2. MARK "X	,	T			FFLUENT				4 4 ***	ITO		NIZE /	
1. POLLUTANT		WIARK X				b. MAXIMUM 30		c. LONG TERM	A AVPC	1	4. UN	118	a. LONG T	KE (optiona	1
AND CAS NUMBER	a. TESTING	b. BELIEVED	c. BELIEVED	a. MAXIMUM DA		(if availa	ble)	VALUE (if ava	uilable)	d. NO. OF	a. CONCEN-		AVERAGE \		b. NO. OF
(if available)	REQUIRED	PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
GC/MS FRACTION	I – VOLATIL	E COMPO	UNDS												_
1V. Accrolein (107-02-8)			X												
2V. Acrylonitrile (107-13-1)			X								X				
3V. Benzene (71-43-2)			X												
4V. Bis (Chloro- methyl) Ether (542-88-1)			X								-				
5V. Bromoform (75-25-2)			X				·								
6V. Carbon Tetrachloride (56-23-5)			X				•								
7V. Chlorobenzene (108-90-7)			X								 -				
8V. Chlorodi- bromomethane (124-48-1)	_		X									• • •			
9V. Chloroethane (75-00-3)			X									-			
10V. 2-Chloro- ethylvinyl Ether (110-75-8)			X		,										
11V. Chloroform (67-66-3)			X												
12V. Dichloro- bromomethane (75-27-4)			X								-				
13V. Dichloro- difluoromethane (75-71-8)			X												
14V. 1,1-Dichloro- ethane (75-34-3)			X												
15V. 1,2-Dichloro- ethane (107-06-2)			X						,						
16V. 1,1-Dichloro- ethylene (75-35-4)			X												
17V. 1,2-Dichloro- propane (78-87-5)			X							1					
18V. 1,3-Dichloro- propylene (542-75-6)			X												
19V. Ethylbenzene (100-41-4)			X												
20V. Methyl Bromide (74-83-9)			X												
21V. Methyl Chloride (74-87-3)			X												

CONTINUED FROM PAGE V-4

	CONTINUED FRO								_							
AND CAN DATE TESTING DELEVED DELEV			2. MARK "X	,						4. UN	ITS		(A)			
	AND	a.	b.	C.	a. MAXIMUM DA	LY VALUE	(if availa		VALUE (if ava	I AVRG. ailable)	- 4 NO OF	- CONCEN		AVERAGE V		
207. Min-Workers	(if available)	REQUIRED	PRESENT	ABSENT	CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS			b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
Cholding (75-00-2)	GC/MS FRACTION	I – VOLATIL	E COMPO	UNDS (con	timied)											
Tata Active on the Company Compa	22V. Methylene Chloride (75-09-2)			X												
enlystens (127-18-4) 25V. Tolures (108-88-3) (108-88-3) (108-88-3) (108-80-5) (108-90-5)	Tetrachloroethane			X												
(108-88-3) ZVV. 1,2-Trans- Dichlorocthylene (1) (105-90-5) ZVV. 1,1-Trichlor- ethane (71-55-5) ZVV. 1,2-Trans- Dichlorocthylene (1) (105-90-5) ZVV. 1,1-Trichlor- ethane (71-55-5) ZVV. 1,2-Trichlor- ethane (71-55-5) ZVV. 1,2-Tri				X											- -	
Dichloroethylene (158-66-5)				X								-				
ethane (71-55-6) 28V 1, 12-Trichitore chane (79-00-5) 28V 1, 12-Trichitore chane (79-00-5) 28V 1, 12-Trichitore chane (79-01-6) 28V 1, 12-Trichitore chance (79-01-6) 28V	Dichloroethylene			X								_	-			
ethane (79-00-5) 30 / Trichloro- ethylene (79-01-6) 310 / Trichloro- (79-01-4) 310 / Trichloro- (79-01-4) 317 / Vinyl Chloride (79-01-4) 317 / Vinyl Chlori	27V, 1,1,1-Trichloro- ethane (71-55-6)			X												
ethylene (79-01-6) 30V. Trichloro- fluoromethane (75-69-4) 31V. Viryl Chloride (75-69-4) 31V. Viryl Chloride (75-01-4) GC/MS FRACTION – ACID COMPOUNDS 1A. 2-Chlorophenol (85-57-8) 2A. 2-A-Dichloro- phenol (120-85-2) 3A. 2.4-Dichloro- Cresol (53-65-6) 4A. 4.6-Dinitro- Cresol (53-65-6) 5A. 2-4-Dinitro- Denol (15-28-5) 5A. 2-4-Dini	28V. 1,1,2-Trichloro- ethane (79-00-5)			X												
				X												
GC/MS FRACTION - ACID COMPOUNDS	fluoromethane			X											-	
1A. 2-Chlorophenol (8-57-8) A. 2.4-Dinethorophenol (120-83-2) A. 2.4-Dimethylphenol (120-87-9) 4A. 4,6-Dinitro-O-Cresol (534-52-1) A. 2.4-Dimitro-phenol (51-28-5) A. 2.4-Dimitro-phenol (51-28-5) A. 2.4-Dimitro-phenol (51-28-5) A. 3.4-Nitrophenol (100-02-7) A. 4-Nitrophenol (100-02-7) A. 4-Nitrophenol (100-02-7) A. 4-Nitrophenol (100-02-7) A. P-Chloro-M-Cresol (59-50-7)			X										-			
(85-57-8)	GC/MS FRACTION	– ACID CC	MPOUNDS	3					•							
phenol (120-83-2)				X								-				
Phenol (105-67-9)	2A. 2,4-Dichloro- phenol (120-83-2)			X												
Cresol (534-52-1)	3A. 2,4-Dimethyl- phenol (105-67-9)			X			_									
phenol (51-28-5)				X												
(88-75-5) 7A. 4-Nitrophenol (100-02-7) 8A. P-Chloro-M-Cresol (59-50-7) 9A. Pentachloro-phenol (87-86-5) 10A. Phenol (108-95-2) 11A. 2,4,6-Trichloro-				X												
(100-02-7)				X												
Cresol (59-50-7) 9A. Pentachloro- phenol (87-86-5) 10A. Phenol (108-95-2) 11A. 2,4,6-Trichloro-	7A. 4-Nitrophenol (100-02-7)		_	X				-						-	-	
9A. Pentachloro- phenol (87-86-5) 10A. Phenol (108-95-2) 11A. 2,4,6-Trichloro-	8A. P-Chloro-M- Cresol (59-50-7)			X												
10A. Phenol (108-95-2) 11A. 2,4,6-Trichloro-	9A. Pentachloro-			X		-										
	10A. Phenol			X	-											
printed to so set	·			X												

CONTINUED FROM THE FRONT

CONTINUED FROM															
	2	. MARK "X			3. E		4. UN	ITS	5. INTAKE (optional)						
1. POLLUTANT AND CAS NUMBER	a.	b.	C.	a. MAXIMUM DA	ILY VALUE	b. MAXIMUM 30 (if availa		c. LONG TERM VALUE (if ava	A AVRG. ailable)	4 NO OF	a. CONCEN-		a. LONG T AVERAGE V		
(if available)	REQUIRED	BELIEVED PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES		b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION	- BASE/NE	UTRAL CO	MPOUND		<u> </u>		(=7		(4) 1111 135	<u> </u>			CONCENTION	(2) 141/100	
1B. Acenaphthene (83-32-9)		-	X												
2B. Acenaphtylene (208-96-8)			X					_	_		<u> </u>	,	_	_	
3B. Anthracene (120-12-7)			X	İ											
4B. Benzidine (92-87-5)			X		-						•				
5B. Benzo (a) Anthracene (56-55-3)			X												
6B. Benzo (a) Pyrene (50-32-8)			X											-	
7B. 3,4-Benzo- fluoranthene (205-99-2)			X												
8B, Benzo (<i>ghi</i>) Perylene (191-24-2)			X								-				
9B. Benzo (k) Fluoranthene (207-08-9)			X								,,				
10B. Bis (2-Chloro- ethoxy) Methane (111-91-1)	7		X												
11B. Bis (2-Chloro- ethyl) Ether (111-44-4)			X								-				
12B. Bis (2- Chloroisopropyl) Ether (102-80-1)			X								-			,	
13B. Bis (2-Ethyl- hexyl) Phthalate (117-81-7)		:	X		`							.=			
14B. 4-Bromophenyl Phenyl Ether (101-55-3)			X												
15B. Butyl Benzyl Phthalate (85-68-7)			X												
16B. 2-Chloro- naphthalene (91-58-7)			X									-			
17B. 4-Chloro- phenyl Phenyl Ether (7005-72-3)		i	X									_			
18B. Chrysene (218-01-9)			X												
19B. Dibenzo (<i>a,h</i>) Anthracene (53-70-3)			X												
20B. 1,2-Dichloro- benzene (95-50-1)			X												
21B. 1,3-Di-chloro- benzene (541-73-1)			\times												

CONTINUED FROM PAGE V-6

CONTINUED FROI		2. MARK "X	n			3. E	FFLUENT	4. UN	ITS	5. INTA	<u>,</u>				
1. POLLUTANT AND	a.			a. MAXIMUM DA	ILY VALUE	b. MAXIMUM 30 (if availa	DAY VALUE	c. LONG TERM VALUE (if ave	A AVRG.		-		a. LONG T AVERAGE V	ERM	
CAS NUMBER (if available)		b. BELIEVED PRESENT			(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION			a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION	I - BASE/N	EUTRAL C	OMPOUND	S (continued)		•					<u> </u>	·		(=)	
22B. 1,4-Dichloro- benzene (106-46-7)			X												
23B. 3,3-Dichloro- benzidine (91-94-1)			X												
24B. Diethyl Phthalate (84-66-2)			X		-							_			
25B. Dimethyl Phthalate (131 -11-3)			X												
26B. Di-N-Butyl Phthalate (84-74-2)			X				- "								
27B. 2,4-Dinitro- toluene (121-14-2)			X												
28B. 2,6-Dinitro- toluene (606-20-2)			X							-					
29B. Di-N-Octyl Phthalate (117-84-0)			X												
30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7)			X												
31B. Fluoranthene (206-44-0)			X												
32B. Fluorene (86-73-7)			X	•											
33B. Hexachloro- benzene (118-74-1)		-	X												
34B. Hexachloro- butadiene (87-68-3)			X												
35B. Hexachloro- cyclopentadiene (77-47-4)			X		,										
36B Hexachloro- ethane (67-72-1)			X												
37B. Indeno (1,2,3-ca) Pyrene (193-39-5)			X												
38B. Isophorone (78-59-1)			X												
39B. Naphthalene (91-20-3)			X												<u> </u>
40B. Nitrobenzene (98-95-3)			X												
41B. N-Nitro- sodimethylamine (62-75-9)			X												
42B. N-Nitrosodi- N-Propylamine (621-64-7)			X												

_	M THE FRC	2. MARK "X	0				FFLUENT		· · · · · · · ·		4. UN	ITS	5. INTA	KE (optiona	·/)
1. POLLUTANT AND				a. MAXIMUM DA	II V \/ALLIE	b. MAXIMUM 30 (if availa	DAY VALUE	c. LONG TERN VALUE (if ava	1 AVRG.				a, LONG TI	ERM	Í
CAS NUMBER	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	AVERAGE V (1) CONCENTRATION		b. NO. OF ANALYSES
GC/MS FRACTION	- BASE/N	EUTRAL CO	MPOUND	S (continued)	(2) 110 100	CONCENTION	(2) 111/100	CONCENTION	(Z) WAOO				CONCENTRATION	(Z) WA33	1
43B. N-Nitro- sodiphenylamine (86-30-6)			X				_								
44B. Phenanthrene (85-01-8)		,	X												
45B. Pyrene (129-00-0)			X												
46B. 1,2,4-Tri- chlorobenzene (120-82-1)			X												
GC/MS FRACTION	- PESTIC	IDES		- <u>-</u>			_			·				-	
1P. Aldrin (309-00-2)			X												
2P. α-BHC (319-84- 6)			X												
3P. β-BHC (319-85-7)			X												
4Р. у-ВНС (58-89-9)			X												
5P. δ-BHC (319-86-8)			X												
6P. Chlordane (57-74-9)			X								_				
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-55-9)			X												
9P. 4,4'-DDD (72-54-8)			X											-	
10P. Dieldrin (60-57-1)			X									_			
11P. α-Enosulfan (115-29-7)			X												
12P. β-Endosulfan (115-29-7)			X								-	-			
13P. Endosulfan Sulfate (1031-07-8)			X								-				
14P. Endrin (72-20-8)			X				_								
15P. Endrin Aldehyde (7421-93-4)		· -	X												
16P. Heptachlor (76-44-8)			X												

EPA I.D. NUMBER (copy from Item 1 of Form 1)

OUTFALL NUMBER

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009

CONTINUED FROM PAGE V-8

		2. MARK "X"				3. E	FFLUENT				4. UN	ITS	5, INTA	AKE (optiona	1)
1. POLLUTANT AND CAS NUMBER	a.	b.	C.	a. MAXIMUM DA	ILY VALUE	b. MAXIMUM 30 ((if availat		c. LONG TERM VALUE (if ava		- 1 NO OF	- 00110511		a. LONG T AVERAGE V	ERM	
(if available)	REQUIRED	BELIEVED PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION	- PESTICI	DES (contin	ued)								· · · ·		•		
17P. Heptachlor Epoxide (1024-57-3)			X					_				-			
18P. PCB-1242 (53469-21-9)			X	-											
19P. PCB-1254 (11097-69-1)			X						-		-		-		
20P. PCB-1221 (11104-28-2)			X												
21P. PC8-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X	-				-					-		
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X		-	,			_						
25P. Toxaphene (8001-35-2)			X												

EPA Form 3510-2C (8-90)

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (*use the same format*) instead of completing these pages. SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

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V. INTAKE AND	EFFLUI	ENT CHARAC	TERISTICS (contin	nued from page 3	of Form 2-C)							C	OUTFALL NO	
PART A -You n	nust prov	ide the results	of at least one ana	llysis for every po	ollutant in this table	e. Complete on	e table for each or	utfall. See instr	ructions for add	litional details.			_	
					2. EFFLU	ENT				3. UN (specify if			. INTAKE optional)	
			IM DAILY VALUE	(if av	30 DAY VALUE	c. LON	G TERM AVRG. \ (if available)	/ALUE	d. NO. OF	a. CONCEN-		a. LONG T AVERAGE V		b. NO. OF
1. POLLUTA	NT	(1) CONCENTRA	TION (2) MASS	(1) CONCENTRATIO	ON (2) MASS	(1) CONCE	NTRATION	(2) MASS	ANALYSES	TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
a. Biochemical (Demand (BOD)	Oxygen	<2							1	mg/l				
b. Chemical Oxy Demand (COD)	/gen	26.34							1	mg/l				
c. Total Organic (TOC)	Carbon	9.74							1	mg/l				
d. Total Suspen- Solids (TSS)	ded	18.1					1	mg/l						
e. Ammonia (as	N)	0.24					1	mg/l						
f. Flow		VALUE 0.0	011 MGD	VALUE		1			VALUE					
g. Temperature (winter)		VALUE		VALUE		VALUE		-		°C	·	VALUE		
h. Temperature (summer)		VALUE	18.0	VALUE		VALUE			1	°C		VALUE	•	
i. pH		MINIMUM 6.81	MAXIMUM 6.81	MINIMUM	MAXIMUM				1	STANDARI	O UNITS			
direc	ctly, or in	idirectly but e	each pollutant you expressly, in an effl lanation of their pre	uent limitations of	guideline, you mu	st provide the	results of at least	one analysis	for that polluta	ant. For other p	ollutants for v	umn 2a for any pollu vhich you mark colu	ıtant which is ımn 2a, you	limited either must provide
quai		ARK "X"	lanation of their pre	ssence in your us		. EFFLUENT	each oddail. See d	ne instructions	ior additionar		JNITS	5 IN	TAKE (option	η/\
1. POLLUTANT AND	a.	b.	a. MAXIMUM D	AILY VALUE	b. MAXIMUM 30 (if availa		c. LONG TERM (if avai		E			a. LONG TERM VALU	AVERAGE	
CAS NO. (if available)	BELIEVE PRESEN	D BELIEVED	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSE			(1)		b. NO. OF ANALYSES
a. Bromide (24959-67-9)		X											(-,	
b. Chlorine, Total Residual	X		0.00						1	mg/l				
c. Color		\times												
d. Fecal Coliform		X												
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite (as N)	X		0.25						1	mg/l				

	2	2. MARK "X"					FFLUENT				4. UN	ITS	5. INTA	KE (optiona	nl)
1. POLLUTANT AND	a.	b.	C.	a. MAXIMUM DA	ILY VALUE	b. MAXIMUM 30 i		c. LONG TERN VALUE (if ava					a. LONG T AVERAGE V		
CAS NUMBER (if available)	TESTING REQUIRED	BELIEVED	BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION		(1) CONCENTRATION		d. NO. OF ANALYSES	a, CONCEN- TRATION	b. MASS	(1)		b. NO. OF ANALYSES
GC/MS FRACTION	- BASE/N	EUTRAL CO	OMPOUND			,	(=),		(=) (55				CONCENTION	(1) 11/100	<u> </u>
22B. 1,4-Dichloro- benzene (106-46-7)		X		ND						1	ug/l				
23B. 3,3-Dichloro- benzidine (91-94-1)		X		ND						1	ug/l				
24B. Diethyl Phthalate (84-66-2)		X		ND					- "	1	ug/l	•			
25B. Dimethyl Phthalate (131 -11-3)		X		ND						1	ug/l	•		_	
26B. Di-N-Butyl Phthalate (84-74-2)		X		ND						1	ug/l	-		_	
27B. 2,4-Dinitro- toluene (121-14-2)		X		ND						1	ug/l				
28B. 2,6-Dinitro- toluene (606-20-2)		X		ND						1	ug/l				
29B. Di-N-Octyl Phthalate (117-84-0)		X		ND						1	ug/l				
30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7)		X		ND						1	ug/l				
31B. Fluoranthene (206-44-0)		X		ND						1	ug/l				
32B. Fluorene (86-73-7)		X		ND						1	ug/l				
33B. Hexachloro- benzene (118-74-1)		X		ND						1	ug/l				
34B, Hexachloro- butadiene (87-68-3)		X		ND						1	ug/l				
35B, Hexachloro- cyclopentadiene (77-47-4)		X		ND						1	ug/l				
36B Hexachloro- ethane (67-72-1)		X		ND						1	ug/l				
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)		X		ND						1	ug/l				
38B. Isophorone (78-59-1)		X		ND						1	ug/l				
39B. Naphthalene (91-20-3)		X		ND						1	ug/l				
40B. Nitrobenzene (98-95-3)		\times		ND						1	ug/l				
41B. N-Nitro- sodimethylamine (62-75-9)		X		ND						1	ug/l				
42B. N-Nitrosodi- N-Propylamine (621-64-7)		X		ND						1	ug/l				

EPA I.D. NUMBER (copy from Item 1 of Form 1) OUTFALL NUMBER VA0002151 016

CONTINUED FROM PAGE 3 OF FORM 2-C

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant. If you mark column 2b for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

		. MARK "X		T T		3. E	FFLUENT			4. UN	ITS	5 INTA	KE (optiona	<u>-Λ</u>	
1. POLLUTANT AND	a.	b.	C.	a. MAXIMUM DA	ILY VALUE	b. MAXIMUM 30 I	DAY VALUE	c. LONG TERM VALUE (if ava					a. LONG T AVERAGE V	ERM	
CAS NUMBER (if available)	TESTING REQUIRED	BELIEVED PRESENT	BELIEVED ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION		b. NO. OF ANALYSES
METALS, CYANID	E, AND TOT	AL PHENC	DLS			·	•					-			•
1M. Antimony, Total (7440-36-0)			X												
2M. Arsenic, Total (7440-38-2)			X										-		
3M. Beryllium, Total (7440-41-7)			X				-								
4M. Cadmium, Total (7440-43-9)			X												
5M. Chromium, Total (7440-47-3)		-	X												
6M. Copper, Total (7440-50-8)		X		ND						1	mg/l				
7M. Lead, Total (7439-92-1)		X		ND						1	mg/l				
8M. Mercury, Total (7439-97-6)			X				,								
9M. Nickel, Total (7440-02-0)			X												
10M. Selenium, Total (7782-49-2)			X												
11M. Silver, Total (7440-22-4)			X												
12M. Thallium, Total (7440-28-0)			X							i	_				
13M. Zinc, Total (7440-66-6)		X		0.029						1	mg/l				
14M. Cyanide, Total (57-12-5)			X								·			_	
15M. Phenols, Total			X												
DIOXIN		_	-		-					-		•			-
2,3,7,8-Tetra- chlorodibenzo-P- Dioxin (1764-01-6)			X	DESCRIBE RESU	ILTS										

CONTINUED FROM		N I 2. MARK "X"	,				TELLIENT						т		
1. POLLUTANT		WARK X	Ι'			b. MAXIMUM 30	FFLUENT	c, LONG TERM	1 AV/DO		4. UN	ITS		KE (optiona	<u>;/) </u>
AND CAS NUMBER	a. TESTING REQUIRED	b.	C.	a. MAXIMUM DAI		(if availa		VALUE (if ave	A AVRG. ailable)	d NO OF	a. CONCEN-		a. LONG TI AVERAGE V		b. NO. OF
(if available)	REQUIRED	PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES		b. MASS	(1) CONCENTRATION	(2) MASS	
GC/MS FRACTION	- VOLATIL	E COMPO	JNDS												
1V. Accrolein (107-02-8)			X												
2V. Acrylonitrile (107-13-1)			X								_				
3V. Benzene (71-43-2)			X												
4V. Bis (Chloro- methyl) Ether (542-88-1)			X			· ·					-	_			
5V. Bromoform (75-25-2)			X									-			
6V. Carbon Tetrachloride (56-23-5)			X												
7V. Chlorobenzene (108-90-7)			X									•			
8V. Chlorodi- bromomethane (124-48-1)			X												
9V. Chloroethane (75-00-3)		_	X			-									
10V. 2-Chloro- ethylvinyl Ether (110-75-8)			X	_							-			<u></u>	
11V. Chloroform (67-66-3)			X												
12V. Dichloro- bromomethane (75-27-4)			X									,		-	
13V. Dichloro- difluoromethane (75-71-8)			X								_				
14V. 1,1-Dichloro- ethane (75-34-3)			X		-								,		
15V. 1,2-Dichloro- ethane (107-06-2)			X												
16V. 1,1-Dichloro- ethylene (75-35-4)			X		-	-							·		
17V. 1,2-Dichloro- propane (78-87-5)			X												
18V. 1,3-Dichloro- propylene (542-75-6)			X									-			
19V. Ethylbenzene (100-41-4)			X												
20V. Methyl Bromide (74-83-9)			X						-		· 4				
21V. Methyl Chloride (74-87-3)			X												

	I PAGE V-2	MARK "X"					FFLUENT	<u> </u>			4. UN	ITS	5. INTA	KE (option	<i>al</i>)
1. POLLUTANT AND	a,	b.	C.	a. MAXIMUM DA	II Y VALUE	b. MAXIMUM 30 I		c. LONG TERM VALUE (if ava	AVRG.				a. LONG TI AVERAGE V	ERM	Í
CAS NUMBER (if available)	TESTING REQUIRED	BELIEVED		(1) CONCENTRATION		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION	- VOLATIL	E COMPOL					· · · · · · · · · · · · · · · · · · ·		1.7.2	<u>, l</u>				(2)	
22V. Methylene Chloride (75-09-2)			X												
23V. 1,1,2,2- Tetrachloroethane (79-34-5)			X												
24V. Tetrachloro- ethylene (127-18-4)			X				_								
25V. Toluene (108-88-3)			X												
26V. 1,2-Trans- Dichloroethylene (156-60-5)			X												
27V. 1,1,1-Trichloro- ethane (71-55-6)			X				-								
28V. 1,1,2-Trichloro- ethane (79-00-5)			X				-								
29V Trichloro- ethylene (79-01-6)			X								-				
30V. Trichloro- fluoromethane (75-69-4)	-		X					-							
31V. Vinyl Chloride (75-01-4)			X	_											
GC/MS FRACTION	- ACID CO	MPOUNDS								I			J		
1A. 2-Chlorophenol (95-57-8)		X		ND						1	ug/l			•	
2A. 2,4-Dichloro- phenol (120-83-2)		X		ND						1	ug/l				
3A. 2,4-Dimethyl- phenol (105-67-9)		X		ND						1	ug/l				
4A. 4,6-Dinitro-O- Cresol (534-52-1)		X		ND						1	ug/l				
5A. 2,4-Dinitro- phenol (51-28-5)		X		ND						1	ug/l				
6A. 2-Nitrophenol (88-75-5)		X		ND	•					1	ug/l				
7A. 4-Nitrophenol (100-02-7)		X		ND			•	-		1	ug/l				
8A. P-Chloro-M- Cresol (59-50-7)		X		ND						1	ug/l				
9A. Pentachloro- phenol (87-86-5)		X		ND					-	1	ug/l		-		
10A. Phenol (108-95-2)			X								-				
11A. 2,4,6-Trichloro- phenol (88-05-2)		X		ND						1	ug/l				

1. POLLUTANT AND CAS NUMBER TESTING BELIEVED TESTING BELIEVED TESTING BELIEVED TESTING BELIEVED TESTING BELIEVED TESTING BELIEVED TESTING BELIEVED TESTING BELIEVED TESTING BELIEVED TESTING BELIEVED TESTING BELIEVED TESTING BELIEVED TESTING BELIEVED TESTING BELIEVED TESTING BELIEVED TESTING TESTING TESTING TESTING BELIEVED TESTING TE	CONTINUED FROI		MARK "X"				3.5	CELIENT			_	4 100	UTC		WE ()	<u> </u>
ACM MARCE Company	1. POLLUTANT		WALL						C LONG TERM	A AVPG	T	4. UN	118			'') T
Grandshide REQUIRED RECOUNTED RECOUNTED COMPONENTS CONCENTRATION CONCENTRATION CONCENTRAT	AND CAS NUMBER	TESTING	BELIEVED	BELIEVED		ILY VALUE	(if availa	ble)	VALUE (if ava		d. NO. OF	a. CONCEN-		AVERAGE V		b. NO. OF
18. Accomplehene 18. Accompl		REQUIRED	PRESENT	ABSENT		(2) MASS	CONCENTRATION	(2) MASS	CONCENTRATION	(2) MASS			b. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
Basta-9 ND 1		- BASE/NE	UTRAL CO	MPOUND	<u> </u>											
C00-84-9-9 ND	(83-32-9)		X		ND						1	ug/l				
103-12-7	(208-96-8)		X		ND	,					1	ug/l				
Box Benze Box Bo	(120-12-7)		X		ND						1	ug/l				
Anthracene (Se-St-3) X ND	(92-87-5)		X		ND					,,	1	ug/l				
Pyrene (60-32-8)	Anthracene		\times		ND			-			1	ug/l				
ND 1 ug/1	Pyrene (50-32-8)		X		ND	·					1	ug/l				
Paylene (191-24-2) ND 1	fluoranthene (205-99-2)		\times		ND						1	ug/l			_	
Fluoranthene Carrows	Perylene (191-24-2)		\overline{X}		ND						1	ug/l				
Selective No. No.	Fluoranthene (207-08-9)		×		ND						1	ug/l				
Proceedings Process	ethoxy) Methane (111-91-1)		\times		ND					-	1	ug/l				
ND 1 ug/1	ethyl) Ether		\times		ND						1	ug/l				
ND ND ND ND ND ND ND ND	Chloroisopropyl) Ether (102-80-1)		×		ND					i	1	ug/l				
Phenyl Ether (101-55-3)	hexyl) Phthalate (117-81-7)		\times		ND						1	ug/l				
Phthalate (85-68-7)	Phenyl Ether		\times		ND						1	ug/l				
ND ND ND ND ND ND ND ND	Phthalate (85-68-7)		X		ND	_					1	ug/l				ą
phenyl Phenyl Ether (7005-72-3) ND 1 ug/1 18B. Chrysene (218-01-9) 1 ug/1 19B. Dibenzo (a, h) (3-10) 1 ug/1 <td< td=""><td>naphthalene (91-58-7)</td><td></td><td>X</td><td></td><td>ND</td><td></td><td></td><td></td><td></td><td></td><td>1</td><td>ug/l</td><td></td><td></td><td></td><td></td></td<>	naphthalene (91-58-7)		X		ND						1	ug/l				
(218-01-9)	phenyl Phenyl Ether		×		ND						1	ug/l				
Anthracene (53-70-3)			X		ND						1	ug/l	-			
benzene (95-50-1)	Anthracene (53-70-3)		X		ND						1	ug/l				
	benzene (95-50-1)		\times		ND						1	ug/l				
			X		ND						1	ug/l				

CONTINUED FROM		. MARK "X				3. E	FFLUENT				4. UN	ITS	5 INTA	KE (optiona	<u> </u>
1. POLLUTANT AND	-					b. MAXIMUM 30 I	DAY VALUE	c. LONG TERM			1. 0.1		a. LONG T	ERM	<u> </u>
CAS NUMBER	a. TESTING	b. BELIEVED	c. BELIEVED	a. MAXIMUM DA	ILY VALUE	(if availat	ble)	VALUE (if ava	nilable)	d. NO. OF	a. CONCEN-		AVERAGE V	ALUE	b. NO. OF
(if available)	REQUIRED	PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	CONCENTRATION	(2) MASS	CONCENTRATION	(2) MASS	ANALYSES	TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
GC/MS FRACTION	- BASE/N	EUTRAL CO	OMPOUND	S (continued)				_							
22B. 1,4-Dichloro- benzene (106-46-7)		X		ND				_		1	ug/l	-			
23B. 3,3-Dichloro- benzidine (91-94-1)		X		ND					_	1	ug/l				
24B. Diethyl Phthalate (84-66-2)		X		ND						1	ug/l				
25B. Dimethyl Phthalate (131 -11-3)		X		ND				ď		1	ug/l				
26B. Di-N-Butyl Phthalate (84-74-2)		X		ND						1	ug/l				
27B. 2,4-Dinitro- toluene (121-14-2)		X		ND						1	ug/l				
28B. 2,6-Dinitro- toluene (606-20-2)		X		ND			-			1	ug/l				
29B. Di-N-Octyl Phthalate (117-84-0)		X		ND						1	ug/l				
30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7)		X		ND						1	ug/l				
31B. Fluoranthene (206-44-0)		X		ND						1	ug/l				
32В. Fluorene (86-73-7)		X		ND					•	1	ug/l				
33B, Hexachloro- benzene (118-74-1)		X		ND			_			1	ug/l				
34B. Hexachloro- butadiene (87-68-3)		X		ND	1					1	ug/l				
35B. Hexachloro- cyclopentadiene (77-47-4)		X		ND						1	ug/l			_	
36B Hexachloro- ethane (67-72-1)		X		ND						1	ug/l				
37B. Indeno (1,2,3-ca) Pyrene (193-39-5)		X		ND						1	ug/l				
38B. Isophorone (78-59-1)		\times		ND			_			1	ug/l				
39B, Naphthalene (91-20-3)		X		ND						1	ug/l				
40B, Nitrobenzene (98-95-3)		X		ND						1	ug/l				
41B. N-Nitro- sodimethylamine (62-75-9)		X		ND						1	ug/l			_	
42B. N-Nitrosodi- N-Propylamine (621-64-7)		X		ND						1	ug/l				

	M THE FRO	2. MARK "X"	,			3. E	FFLUENT		·		4. UN	ITS	5, INTA	KE (optiona	ıl)
1. POLLUTANT AND						b. MAXIMUM 30 I		c. LONG TERM	AVRG.				a. LONG T	ERM	Í -
	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DA (1) CONCENTRATION		(if availate (1) CONCENTRATION	(2) MASS	VALUE (if ava (1) CONCENTRATION		d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	AVERAGE V (1) CONCENTRATION		b. NO. OF ANALYSES
GC/MS FRACTION	- BASE/NE	UTRAL CO	MPOUND	S (continued)	(-,	1.=	(=/		(4) 111 100			l	CONCENTRATION	(Z) MAGG	
43B. N-Nitro- sodiphenylamine (86-30-6)		\times		ND						1	ug/l				
44B. Phenanthrene (85-01-8)		X		ND						1	ug/l				
45B. Pyrene (129-00-0)		X		ND						1	ug/l				
46B. 1,2,4-Tri- chlorobenzene (120-82-1)		X		ИИ						1	ug/l				
GC/MS FRACTION	I – PESTICI	DES				_									<u>. </u>
1P. Aldrin (309-00-2)			X												
2P. α-BHC (319-84-6)			X	_											
3P. β-BHC (319-85-7)			X												
4P. γ-BHC (58-89-9)			X												
5P. δ-BHC (319-86-8)			X											-	
6P. Chlordane (57-7 4- 9)			X											_	
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-55-9)			X												
9P. 4,4'-DDD (72-54-8)			X											_	
10P. Dieldrin (60-57-1)			X												
11P. α-Enosulfan (115-29-7)			X												
12P. β-Endosulfan (115-29-7)			X												
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												
15P. Endrin Aldehyde (7421-93-4)			X												
16P. Heptachlor (76-44-8)			X												

EPA I.D. NUMBER (copy from Item 1 of Form 1)

OUTFALL NUMBER

VA0002151

016

CONTINUED FROM PAGE V-8

CONTINUEDTRO	IN A HOLE 4-	<u> </u>		1				I							
	- 2	2. MARK "X				3. E	FFLUENT				4. UN	IITS	5. INT/	KE (optiona	1/)
1. POLLUTANT AND CAS NUMBER	a.	b.	C.	a. MAXIMUM DA	ILY VALUE	<u>''</u>		c. LONG TERM VALUE (if ava		4 NO OF	- CONCEN		a. LONG T AVERAGE \		
(if available)	REQUIRED	BELIEVED PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION	- PESTICI	DES (contin	ued)			-						<u> </u>	•		<u>'</u> -
17P. Heptachlor Epoxide (1024-57-3)			X												
18P. PCB-1242 (53469-21-9)			X												
19P. PCB-1254 (11097-69-1)			X												
20P. PCB-1221 (11104-28-2)			X												
21P. PCB-1232 (11141-16-5)			X												
22P. PCB-1248 (12672-29-6)			X						· · · · ·						
23P. PCB-1260 (11096-82-5)			X												
24P. PCB-1016 (12674-11-2)			X												
25P. Toxaphene (8001-35-2)			X												

EPA Form 3510-2C (8-90)

PLEASE PRINT OR TYPE IN THE UNSHADED AREAS ONLY. You may report some or all of this information on separate sheets (*use the same format*) instead of completing these pages.

SEE INSTRUCTIONS.

EPA I.D. NUMBER (copy from Item 1 of Form 1)

VA0002151

SEE INSTRUCT	IUNS,							V110 0	00191					
V. INTAKE AND) EFFLU	ENT CHARAC	CTERISTICS (contin	nued from page	3 of Form 2-C)								OUTFALL NO	١.
PART A -You r	nust prov	ide the results	s of at least one ana	alysis for every p	ollutant in this table	e. Complete or	ne table for each out	fall. See instr	uctions for ad	ditional details.	-			
					2. EFFLU	ENT			-	3. UNI (specify if			4. INTAKE (optional)	
			JM DAILY VALUE	(if a	1 30 DAY VALUE vailable)	c. LON	IG TERM AVRG. V (if available)	ALUE				a. LONG 1 AVERAGE		
1. POLLUT	ANT	(1) CONCENTRA	TION (2) MASS	(1) CONCENTRATI	ON (2) MASS	(1) CONCE	ENTRATION (2) MASS	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OI ANALYSE
a. Biochemical Demand (BOD)		<2						_	1	mg/l				
b. Chemical Ox Demand (COD)		ND							1	mg/l				
c. Total Organic (<i>TOC</i>)	Carbon	4.22							1	mg/l				
d. Total Suspen Solids (TSS)	ided	3.9							1	mg/l				
e. Ammonia (as	λ)	ND						_	1	mg/l				
f. Flow		VALUE 0.0033 MGD VALUE VALUE							1			VALUE		
g. Temperature (winter)		VALUE VALUE VALUE								°C		VALUE		
h. Temperature (summer)		VALUE	18.3	VALUE		VALUE				°C		VALUE		
i. pH		MINIMUM 7.16	MAXIMUM 7.16	MINIMUM	MAXIMUM				1	STANDARE	UNITS			
dire	ctly, or in	directly but e	expressly, in an effl	uent limitations	guideline, you mu	st provide the	"X" in column 2-b for results of at least of each outfall. See the	one analysis	for that pollut	ant. For other po	ollutants for v	umn 2a for any pol which you mark col	lutant which is lumn 2a, you	limited eithe must provid
		ARK "X"			3	. EFFLUENT		_	-	4. L	INITS	5. IN	NTAKE (option	al)
1. POLLUTANT AND	a.	b.	a. MAXIMUM D	AILY VALUE	b. MAXIMUM 30 (if availa		c. LONG TERM A					a. LONG TERM VALU		
CAS NO. (if available)	BELIEVE PRESEN		(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. O ANALYSE			(1) CONCENTRATIO	N (2) MASS	b. NO. OF ANALYSE
a. Bromide (24959-67-9)		\times												
b. Chlorine, Total Residual	X	0.00					1	mg/l						
c. Color		\times												
d. Fecal Coliform	X	106				1	cfu							
e. Fluoride (16984-48-8)		X												
f. Nitrate-Nitrite (as N)	X		.45						1	mg/l				

ITEM V-B CON	TINUED FR	OM FRONT	·											
	2. MA	RK "X"			3.	EFFLUENT				4. UNI	rs	5. INT.	AKE (option	<i>τ</i> Λ
1. POLLUTANT AND CAS NO.	a. BELIEVED	b. BELIEVED	a. MAXIMUM DA	ILY VALUE	b. MAXIMUM 30 (if availa	DAY VALUE	c. LONG TERM A (if availa		1.40.05			a. LONG TI AVERAGE V	ERM	
(if available)	PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
g. Nitrogen, Total Organic (as N)		X												
h. Oil and Grease	X		ND						1	mg/l				
i. Phosphorus (as P), Total (7723-14-0)	X		0.14						1	mg/l				
j. Radioactivity														
(1) Alpha, Total		X										-		
(2) Beta, Total		X					-	-						
(3) Radium, Total		X									_			
(4) Radium 226, Total		X											•	
k. Sulfate (as SO ₄) (14808-79-8)	X		20.3	· · ·					1	mg/l				
I. Sulfide (as S)		X											_	
m. Sulfite (as SO ₃) (14265-45-3)		X												
n. Surfactants	X		ND	-					1	mg/l				
o. Aluminum, Total (7429-90-5)		×												
p. Barium, Total (7440-39-3)	X		0.107						1	mg/l				
q. Boron, Total (7440-42-8)	·	X					-					-		
r. Cobalt, Total (7440-48-4)		X			-				_					
s. Iron, Total (7439-89-6)	X		0.46						1	mg/l	_			
t. Magnesium, Total (7439-95-4)		X												
u. Molybdenum, Total (7439-98-7)		X							_					,
v. Manganese, Total (7439-96-5)		X												-
w. Tin, Total (7440-31-5)		X		**										
x. Titanlum, Total (7440-32-6)		X												_

EPA I.D. NUMBER (copy from Item 1 of Form 1)	OUTFALL NUMBER
VA0002151	030

CONTINUED FROM PAGE 3 OF FORM 2-C

PART C - If you are a primary industry and this outfall contains process wastewater, refer to Table 2c-2 in the instructions to determine which of the GC/MS fractions you must test for. Mark "X" in column 2-a for all such GC/MS fractions that apply to your industry and for ALL toxic metals, cyanides, and total phenols. If you are not required to mark column 2-a (secondary industries, nonprocess wastewater outfalls, and nonrequired GC/MS fractions), mark "X" in column 2-b for each pollutant you know or have reason to believe is present. Mark "X" in column 2-c for each pollutant you believe is absent. If you mark column 2a for any pollutant, you must provide the results of at least one analysis for that pollutant if you know or have reason to believe it will be discharged in concentrations of 10 ppb or greater. If you mark column 2b for acrolein, acrylonitrile, 2,4 dinitrophenol, or 2-methyl-4, 6 dinitrophenol, you must provide the results of at least one analysis for each of these pollutants which you know or have reason to believe that you discharge in concentrations of 100 ppb or greater. Otherwise, for pollutants for which you mark column 2b, you must either submit at least one analysis or briefly describe the reasons the pollutant is expected to be discharged. Note that there are 7 pages to this part; please review each carefully. Complete one table (all 7 pages) for each outfall. See instructions for additional details and requirements.

1. POLLUTANT

1. POLLUTANT

2. MARK "X"

3. EFFLUENT

4. UNITS

5. INTAKE (optional)

a. LONG TERM

addition	al details ar									•	•		iges) for each out	5555	
	AND a. b. c.						FFLUENT				4. UN	ITS	5. INTA	AKE (optiona	<i>i</i> ()
1. POLLUTANT AND CAS NUMBER	a.	b.	C.	a. MAXIMUM DA		b. MAXIMUM 30 ((if availal	ble)	c. LONG TERM VALUE (if avo	ailable)				a. LONG T AVERAGE \	ERM	
	REQUIRED	BELIEVED PRESENT	ABSENT	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
METALS, CYANIDE	E, AND TOT	AL PHENO	LS	· · · · · · · · · ·										(2)	
1M. Antimony, Total (7440-36-0)			X												
2M. Arsenic, Total (7440-38-2)			X	-		-									
3M, Beryllium, Total (7440-41-7)			X							_	- -				
4M. Cadmium, Total (7440-43-9)		X		ND			<u> </u>			1	mg/l	_	_		
5M, Chromium, Total (7440-47-3)			X												
6M. Copper, Total (7440-50-8)			X						,						
7M, Lead, Total (7439-92-1)			X		_	-	-		-	-					
8M. Mercury, Total (7439-97-6)			X												
9M. Nickel, Total (7440-02-0)			X				-				,				<u> </u>
10M. Selenium, Total (7782-49-2)			X		-										
11M. Silver, Total (7440-22-4)			X	_			· <u>-</u>					_			
12M. Thallium, Total (7440-28-0)			X									-			
13M. Zinc, Total (7440-66-6)			X												
14M. Cyanide, Total (57-12-5)			X									·		<u> </u>	-
15M. Phenols, Total		\overline{X}		ND						1	mg/l	·			
DIOXIN			·					1					<u></u>		
2,3,7,8-Tetra- chlorodibenzo-P- Dioxin (1764-01-6)			\times	DESCRIBE RESU	LTS				· · · · · · · · · · · · · · · · · · ·	· · · · · · · · · · · · · · · · · · ·					

CONTINUED FRO				,					_						
	 	2. MARK "X	- -	 			FFLUENT	1			4. UN	ITS		KE (optiona	1)
AND CAS NUMBER	a, TESTING	b. BELIEVED	c. BELIEVED	a. MAXIMUM DA		b. MAXIMUM 30 (if availa		c, LONG TERM VALUE (if ave	ailable)		a. CONCEN-		a. LONG T AVERAGE V	/ALUE	b. NO. OF
(if available)	REQUIRED		ABSENT	(1) CONCENTRATION	(2) MASS	CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
GC/MS FRACTION	VOLATIL	E COMPO	JNDS												
1V. Accrolein (107-02-8)			X												
2V. Acrylonitrile (107-13-1)			X												
3V. Benzene (71-43-2)			X												
4V. Bis (Chloro- methyl) Ether (542-88-1)			X					-		_					
5V. Bromoform (75-25-2)			X												
6V. Carbon Tetrachloride (56-23-5)			X				-								
7V. Chlorobenzene (108-90-7)			X												
8V. Chlorodi- bromomethane (124-48-1)			X								<u>- </u>				
9V. Chloroethane (75-00-3)			X												
10V. 2-Chloro- ethylvinyl Ether (110-75-8)			X						-						
11V. Chloroform (67-66-3)			X									-			
12V. Dichloro- bromomethane (75-27-4)			X				•						-		
13V. Dichloro- difluoromethane (75-71-8)			X				-					-			
14V. 1,1-Dichloro- ethane (75-34-3)			X		_										
15V. 1,2-Dichloro- ethane (107-06-2)			X			-									
16V. 1,1-Dichloro- ethylene (75-35-4)			X						_						
17V. 1,2-Dichloro- propane (78-87-5)			X						_						
18V. 1,3-Dichloro- propylene (542-75-6)			X												
19V. Ethylbenzene (100-41-4)			X												
20V. Methyl Bromide (74-83-9)			X					_							
21V. Methyl Chloride (74-87-3)			X			 .									-

M PAGE V-						CCLLICAT		-				1		
_	I WARK A		 				- LONG TERM	A AV/DC	i	4. UN	ITS			//)
a. TESTING	b. BELIEVED	c. BELIEVED		ILY VALUE	(if availal		VALUE (if ava	ailable)	d. NO. OF	a. CONCEN-		AVERAGE V		b. NO. OF
REQUIRED	PRESENT	ABSENT	CONCENTRATION	(2) MASS	CONCENTRATION	(2) MASS	CONCENTRATION	(2) MASS	ANALYSES	TRATION	b. MASS	CONCENTRATION	(2) MASS	ANALYSES
- VOLATIL	E COMPO	JNDS (con	tinued)											
	,	X												
		X												
		X		-							_			-
-		X												
		X							_		-			
		X											-	
		X				-								
		X						· · · · · · · · · · · · · · · · · · ·						
		X												
		X				-	-						-	
- ACID CO	MPOUNDS		<u> </u>	_				-	<u> </u>	- :		J		·
		X												
-		X						•						
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		X					-						-	
-	-	X												
		X						·						
		X												-
		X											_	
	a. TESTING REQUIRED – VOLATIL	a. TESTING REQUIRED PRESENT - VOLATILE COMPO	- VOLATILE COMPOUNDS (con	a. MAXIMUM DA TESTING REQUIRED PRESENT RABSENT - VOLATILE COMPOUNDS (continued) - VOLATILE COMPOUNDS (continued) - VOLATILE COMPOUNDS (continued) - VOLATILE COMPOUNDS (continued)	a. MAXIMUM DAILY VALUE BELIEVED PRESENT BELIEVED ABSENT CONCENTRATION (2) MASS - VOLATILE COMPOUNDS (continued) X X X X X X X X X X X X X	a. TESTING REQUIRED PRESENT ABSENT CONCENTRATION (2) MASS (1) CONCENTRATION - VOLATILE COMPOUNDS (continued) - VOLATILE COMPOUNDS (continued) - VOLATILE COMPOUNDS (continued) - VOLATILE COMPOUNDS (continued)	a. MAXIMUM DAILY VALUE TESTING REQUIRED PRESENT BELIEVED ABSENT PRESENT BELIEVED ABSENT CONCENTRATION (2) MASS (1) CONCENTRATION (2) MASS - VOLATILE COMPOUNDS (continued)	a. TESTING PRESENT ABSENT ABSENT PRESENT ABSENT ABSENT PRESENT ABSENT TESTING REQUIRED PRESENT BELIEVED ABSENT CONCENTRATION (2) MASS CONCENTRATION (2) MASS CONCENTRATION (2) MASS CONCENTRATION (2) MASS CONCENTRATION (2) MASS CONCENTRATION (2) MASS CONCENTRATION (3) MASS CONCENTRATION (4) MASS CONCENTRATION (5) MASS CONCENTRATION (5) MASS CONCENTRATION (5) MASS CONCENTRATION (5) MASS CONCENTRATION (5) MASS CONCENTRATION (5) MASS CONCENTRATION (6) MASS C	A SECTION OF STREET OF STR	Selection Sele	Sample Sequence	Sample S	A	

M THE FRO														
	2. MARK "X									4. UN	ITS	5. INT/	AKE (optiona	ı/)
a. TESTING	b. RELIEVED	C. RELIEVED			b. MAXIMUM 30 (if availa	DAY VALUE	VALUE (if ava	ailable)	4 NO OF		,	a. LONG T AVERAGE V	ERM	b. NO. OF
REQUIRED	PRESENT	ABSENT	CONCENTRATION	(2) MASS	CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS			b. MASS	(1) CONCENTRATION	(2) MASS	ANALYSES
- BASE/NE	EUTRAL CO	DMPOUND	S						·!		-		(2) (13 (8 6	
		X		_										
		X												ļ · · · · ·
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		X												
		X												
	a. TESTING REQUIRED	2. MARK "X a. TESTING REQUIRED PRESENT BASE/NEUTRAL CO	2. MARK "X" a. D. C. C. C. C. C. C. C. C. C. C. C. C. C.	2. MARK "X" a. TESTING REQUIRED PRESENT ABSENT (1) CONCENTRATION - BASE/NEUTRAL COMPOUNDS X X X X X X X X X X X X X	2. MARK 'X' TESTING REQUIRED PRESENT ABSENT COMPOUNDS - BASE/NEUTRAL COMPOUNDS X X X X X X X X X X X X X	2. MARK "X" a. b. b. BELIEVED PRESENT ABSENT CONCENTRATION (2) MASS (1/4 availar (2) MASS (1/4 availar (2) MASS (2) MAS	2. MARK "X" 3. EFFLUENT 3. MAXIMUM 30 DAY YALUE 1. MAXIMUM 30	2. MARK 'X' a. TESTIND BELIEVED PRESENT ABSENT OF PRESENT ABSENT ABSENT OF PRESENT ABSENT . MARK 'X'	2. MARK 'X' 3. EFFLUENT	2. MARK 'X' 3. EFFLUENT	2. MARK 'YC	2. MARK X* 3. MAXIMUM DAILY VALUE 5. MAXIMUM 30 DAY VALUE 5. LONG TERM AVEG VALUE (groutable) 6. NO. OF REGULEY 7. MAXIMUM DAILY VALUE 5. MAXIMUM 30 DAY VALUE 6. LONG TERM AVEG VALUE (groutable) 6. NO. OF REGULEY 7. MAXIMUM DAILY VALUE 6. MAXIMUM DAILY VALUE 6. MAXIMUM DAILY VALUE 7. MAXIMUM 30 DAY VALUE 7. MAXIMUM DAILY VALUE 7. MAXIMUM D	2. MARK Y. 3. EFFLUENT 4. UNITS 5. INTAKE (priority of the priority of	

CONTINUED FRO		2. MARK "X	>	T		3. E	FFLUENT				4. UN	ITS		AKE (optiona	2D
(if available) REG GC/MS FRACTION – E						b. MAXIMUM 30	DAY VALUE						a. LONG T	ERM	"
CAS NUMBER	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DA (1) CONCENTRATION		(if availated) (1) CONCENTRATION	(2) MASS	VALUE (if ave (1) CONCENTRATION	ilable) (2) MASS	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	AVERAGE \ (1) CONCENTRATION		b. NO. OF
GC/MS FRACTIO	N - BASE/N	EUTRAL CO	OMPOUND	S (continued)	(E) NO 100	CONCENTION	(E) WAGO	CONCENTIATION	(2) IN A 3 3				CONCENTRATION	(2) MASS	p
22B. 1,4-Dichloro- benzene (106-46-7)			X												
23B. 3,3-Dichloro- benzidine (91-94-1)			X			-									
24B. Diethyl Phthalate (84-66-2)			X							-	 -				
25B. Dimethyl Phthalate (131 -11-3)			X								-		_		
26B, Di-N-Butyl Phthalate (84-74-2)			X						_						
27B. 2,4-Dinitro- toluene (121-14-2)			X												
28B. 2,6-Dinitro- toluene (606-20-2)		-	X												_
29B. Di-N-Octyl Phthalate (117-84-0)			X				-								<u> </u>
30B. 1,2-Diphenyl- hydrazine (as Azo- benzene) (122-66-7)			X								-				
31B. Fluoranthene (20 6-44- 0)			X								-				
32B. Fluorene (86-73-7)			X								-				
33B. Hexachloro- benzene (118-74-1)			X			-									
34B. Hexachloro- butadiene (87-68-3)			X				-								
35B. Hexachloro- cyclopentadiene (77-47-4)			X						_						
36B Hexachloro- ethane (67-72-1)		ï	X												
37B. Indeno (1,2,3-cd) Pyrene (193-39-5)			X												
38B. Isophorone (78-59-1)			X												
39B. Naphthalene (91-20-3)			X									····			
40B. Nitrobenzene (98-95-3)			X												
41B. N-Nitro- sodimethylamine (62-75-9)			X												
42B. N-Nitrosodi- N-Propylamine (621-64-7)			X												

CONTINUED FRO		2. MARK "X	,	<u> </u>		3. E	FFLUENT				4. UN	ITS	5. INTA	KE (optiona	<u></u>
1. POLLUTANT AND				- 144 / 144 145 2 2		b. MAXIMUM 30 I	DAY VALUE	c. LONG TERM	AVRG.				a. LONG T	ERM	Í
CAS NUMBER (if available)	a. TESTING REQUIRED	b. BELIEVED PRESENT	c. BELIEVED ABSENT	a. MAXIMUM DA (1) CONCENTRATION		(if availated) (1) CONCENTRATION	(2) MASS	VALUE (if ave (1) CONCENTRATION	(2) MASS	d. NO. OF ANALYSES	a. CONCEN- TRATION	b. MASS	AVERAGE V (1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION	~ BASE/NI	EUTRAL CO				1	(-,		(-)		_	·	001102111011	(2)	
43B. N-Nitro- sodiphenylamine (86-30-6)			X		-										
44B. Phenanthrene (85-01-8)			X											_	
45B. Pyrene (129-00-0)			X											-	-
46B. 1,2,4-Tri- chlorobenzene (120-82-1)			X				,				-	-			
GC/MS FRACTION	I - PESTIC	IDES		-		<u> </u>			-						···
1P. Aldrin (309-00-2)			X												
2P. α-BHC (319-84-6)			X												
3P, β-BHC (319-85-7)			X				•								
4P. γ-BHC (58-89-9)			X												
5P. δ-BHC (319-86-8)			X												,
6P. Chlordane (57-74-9)			X												
7P. 4,4'-DDT (50-29-3)			X												
8P. 4,4'-DDE (72-55-9)			X												
9P. 4,4'-DDD (72-54-8)			X												
10P. Dieldrin (60-57-1)			X											·	
11P. α-Enosulfan (115-29-7)			X												
12P. β-Endosulfan (115-29-7)			X	_							_				
13P. Endosulfan Sulfate (1031-07-8)			X												
14P. Endrin (72-20-8)			X												
15P. Endrin Aldehyde (7421-93-4)			X			-								·	
16P. Heptachlor (76-44-8)			X												

EPA I.D. NUMBER (copy from Item 1 of Form 1)

OUTFALL NUMBER

VA0002151

035

CONTINUED FROM PAGE V-8

CONTINUED I NO															
		2. MARK "X				3. E	FFLUENT				4. UN	IITS	5. INT/	KE (optiona	1)
1. POLLUTANT AND CAS NUMBER	a.	b.	C.	a. MAXIMUM DA	ILY VALUE	b. MAXIMUM 30 E (if availab	ole)	VALUE (if ava	ailable)	4 NO OF	- 00110511		a. LONG T AVERAGE \		
(if available)	TESTING REQUIRED	BELIEVED PRESENT			(2) MASS	(1) CONCENTRATION	(2) MASS	(1) CONCENTRATION	(2) MASS	ANALYSES	a. CONCEN- TRATION	b. MASS	(1) CONCENTRATION	(2) MASS	b. NO. OF ANALYSES
GC/MS FRACTION	N - PESTICI	DES (contin							1	- 1.	l	<u> </u>		(=)	
17P. Heptachlor Epoxide (1024-57-3)			X						-						
18P. PCB-1242 (53469-21-9)			X												_
19P. PCB-1254 (11097-69-1)			X								_				
20P. PCB-1221 (11104-28-2)			X				-				 -				
21P. PCB-1232 (11141-16-5)			X				_	-				· · ·			
22P. PCB-1248 (12672-29-6)			X				-								
23P. PCB-1260 (11096-82-5)			X				3					-			
24P. PCB-1016 (12674-11-2)			X												
25P, Toxaphene (8001-35-2)			X		_										

EPA Form 3510-2C (8-90)

PAGE V-9

VII. BIOLOGICAL TOXICITY TESTING DAT	A i						
Do you have any knowledge or reason to be relation to your discharge within the last 3 ye	ieve that any biological test for acute or chronic toxic	ity has been made on any of your dis	scharges or on a receiving water in				
YES (identify the test(s) and de		NO (go to Section VIII)					
Please see biological testing	g summary on the following page.						
VIII. CONTRACT ANALYSIS INFORMATION							
··· -	performed by a contract laboratory or consulting firm	?					
YES (list the name, address, an each such lahoratory or fir	d telephone number of, and pollutants analyzed by, m below)	NO (go to Section IX)	,				
. A. NAME	B. ADDRESS	C. TELEPHONE (area code & no.) D. POLLUTANTS ANALYZED (list)					
Universal Laboratories	20 Research Drive Hampton, VA 23666	800-695-2162	All except pH, Total Residual Chlorine, and Temperature				
IX. CERTIFICATION	· · · · · · · · · · · · · · · · · · ·						
I certify under penalty of law that this docum qualified personnel properly gather and ev- directly responsible for gathering the informa are significant penalties for submitting false.	ent and all attachments were prepared under my divibule the information submitted. Based on my inquision, the information submitted is, to the best of my information, including the possibility of fine and impri	uiry of the person or persons who r knowledge and belief, true, accurate sonment for knowing violations.	manage the system or those persons				
A. NAME & OFFICIAL TITLE (type or print)		B. PHONE NO. (area code & no.)					
J.D. Provenzano III, Deputy,	AC/S Installation & Env. Div.	703-432-0539					
C. SIGNATURE		D. DATE SIGNED					
		23 Ju 2016					

Table 2C.VII MCB Quantico VPDES Permit Renewal VPDES Permit No. VA 0002151

	Acute 48 HR STAT	Acute 48 HR STAT
Outfall 016	Ceriodaphnia Dubia,	Pimephales
	TUa	Promelas, TUa
Jan 1, 2013 to Mar 31, 2013	<1.00	<1.00
Apr 1, 2013 to Jun 30, 2013	<1.00	<1.00
July 1, 2013 to Sept 30, 2013	<1.00	<1.00
Oct 1, 2013 to Dec 31, 2013	<1.00	<1.00
Jan 1, 2014 to Mar 31, 2014	<1.00	<1.00
Apr 1, 2014 to Jun 30, 2014	<1.02	<1.00
July 1, 2014 to Sept 30, 2014	<1.00	<1.00
Oct 1, 2014 to Dec 31, 2014	<1.00	<1.00
Jan 1, 2015 to Mar 31, 2015	<1.00	<1.00
Apr 1, 2014 to Jun 30, 2015	<1.00	<1.00
July 1, 2015 to Sept 30, 2015	<1.00	<1.00
Oct 1, 2015 to Dec 31, 2015	<1.02	<1.00

Form Approved. OMB No. 2040-0086 Approval expires 5-31-92

D. Receiving Water

(name)

Please see Table 2F-1 following this page.

2F NPDES

. Outfall Location

A. Outfall Number

(list)



B. Latitude

U.S. Environmental Protection Agency Washington, DC 20460

Application for Permit to Discharge Storm Water Discharges Associated with Industrial Activity

Paperwork Reduction Act Notice

Public reporting burden for this application is estimated to average 28.6 hours per application, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate, any other aspect of this collection of information, or suggestions for improving this form, including suggestions which may increase or reduce this burden to: Chief, Information Policy Branch, PM-223, U.S. Environmental Protection Agency, 1200 Pennsylvania Avenue, NW, Washington, DC 20460, or Director, Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503.

C. Longitude

For each outfall, list the latitude and longitude of its location to the nearest 15 seconds and the name of the receiving water.

						.,				
	<u> </u>									
II. Improvements										
treatment equipm	ent or practices	or any other	environme	ental programs	s which may a	affect the disci	chedule for the construction, up harges described in this applica ters, stipulations, court orders, a	tion? This in	idudes, but is	not limited
1. Identification of			2. Affec	cted Outfalls			<u>-</u>			Final nce Date
Agreements	s, Etc.	number	s	ource of disch	narge		Brief Description of Project		a. req.	b. proj.
None										
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III. Site Drainage Map

Attach a site map showing topography (or indicating the outline of drainage areas served by the outfalls(s) covered in the application if a topographic map is unavailable) depicting the facility including: each of its intake and discharge structures; the drainage area of each storm water outfall; paved areas and buildings within the drainage area of each storm water outfall, each known past or present areas used for outdoor storage of disposal of significant materials, each existing structural control measure to reduce pollutants in storm water runoff, materials loading and access areas, areas where pesticides, herbicides, soil conditioners and fertilizers are applied; each of its hazardous waste treatment, storage or disposal units (including each area not required to have a RCRA permit which is used for accumulating hazardous waste under 40 CFR 262.34); each well where fluids from the facility are injected underground; springs, and other surface water bodies which received storm water discharges from the facility.

B: You may attach additional sheets describing any additional water pollution (or other environmental projects which may affect your discharges) you now have under way or which you plan. Indicate whether each program is now under way or planned, and indicate your actual or planned schedules for construction.